ORDER NO. RD7903-5012C

Service Manual

Radio Cassette

RX-5500LS

FM/LW/MW/SW 4-Band Radio Cassette Recorder

RS-4350LJ MECHANISM SERIES

■ SPECIFICATIONS

Power Requirement:	AC; 100～110/115～127/200～220/230～250V, 50/60Hz
	Power consumption; 33W
	Battery; 12V (eight-UM-1, R20 size dry batteries)
	Car/boat battery; with optional car/boat adaptor RP-952)
Power Output:	15.0W (7.5W × 2).....RMS (max.)
Frequency Range:	40～12,000Hz (with normal tape)
	40～13,000Hz (with CrO_2 tape)
	40～13,000Hz (with FeCr tape)
Recording System:	AC bias, AC erase
Tape Speed:	4.8cm/s, (1-7/8 ips)
Wow and Fultter:	0.09% (WRMS)
Program Time4	1 hour with C-60 cassette tape
Trasck System:	4-track stereo recording and playback
Input:	MIC; sensitivity 0.26mV/applicable microphone impedance 200Ω～1kΩ (recommended microphone RP8135)
	PHONO; sensitivity 1.5mV/25kΩ over
	DC IN; 12V
Output:	EXT SP; 3～8Ω
	HEADPHONES; 8Ω
REC/PB Connection:	5P DIN type IN; 30mV OUT; 0.41V
Others:	REMOTE; for start and stop at hand
Speaker:	Woofer; 16cm (6-5/16″) PM Dynamic speaker (3Ω)
	Tweeter; 3cm (1-3/16″) PM Dynamic speaker (8Ω)
Radio Frequency Range:	FM; 87.5～108MHz
	LW; 145～285kHz (2060～1060m)
	MW; 520～1610kHz (577～186m)
	SW; 5.9～18MHz (50.8～16.7m)
Intermediate Frequency:	FM; 10.7MHz
	AM (LW/MW/SW); 455kHz
Sensitivity:	FM; 2μV/50mW output
	LW; 200μV/m/50mW output
	MW; 100μV/m/50mW output
	SW; 6μV/50mW output
Dimensions:	47.8cm(W) × 29.3cm(H) × 16.3cm(D) [18-13/16″(W) × 11-9/16″(H) × 6-7/16″(D)]
Weight:	6.75kg (14 lb. 13 oz.) without batteries

Specifications are subject to change without notice.

Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

LOCATION OF CONTROLS AND COMPONENTS

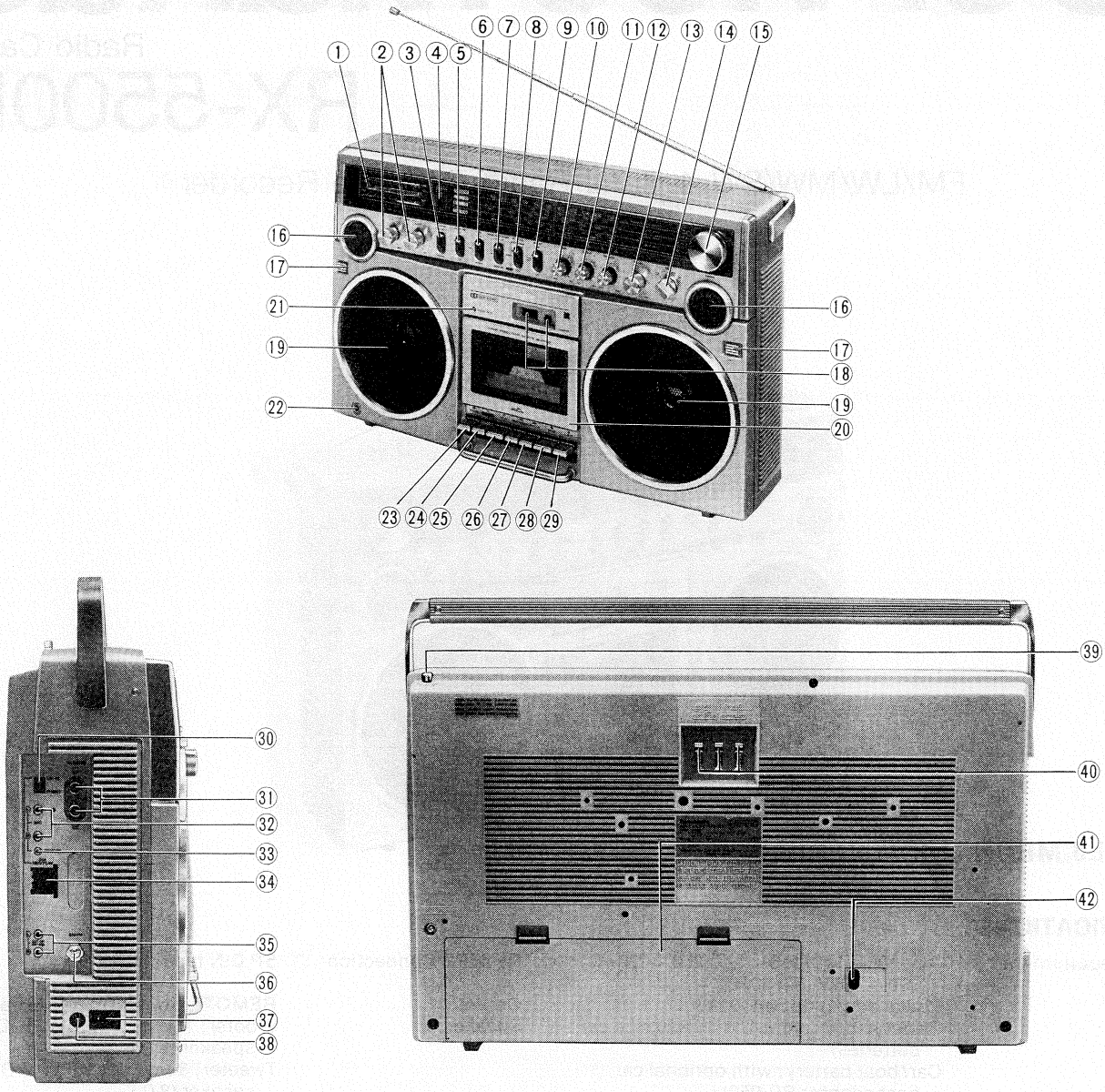
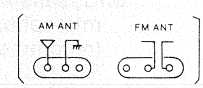


Fig. 1

1. LED meters.
2. Recording level adjustment control.
3. Recording-mode selector.
4. FM stereo eye.
5. ※Dolby noise-reduction switch.
6. Tape selector.
7. Mode selector/beat proof switch.
8. Function selector.
9. Meter selector.
10. Bass control.
11. Treble control.
12. Balance control.
13. Volume control.
14. Band selector.
15. Tuning control.
16. Tweeters (8Ω, 3cm).
17. Built-in microphones.
18. Tape counter and reset button.
19. Woofers (3Ω, 16cm).
20. Cassette compartment cover.
21. Dolby noise-reduction indication lamp.
22. Headphone jack (8Ω).
23. Pause lever.
24. Record lever.
25. Playback lever.
26. Rewind/review lever.
27. Fast forward/cue lever.
28. Stop lever.
29. Eject lever.
30. Input selector.
31. Phono input jacks (1.5mV/25kΩ).
32. Microphone jacks (0.26mV).
33. Remote control jack.
34. DIN connector jack (IN: 30mV, OUT: 0.41V).
35. External speaker jacks (3~8Ω).
36. Phono-earth terminal.
37. AC socket.
38. Car adaptor connection jack.
39. Telescopic antenna.
40. External antenna terminals.



41. Battery compartment.
42. Voltage selector.

※ Dolby is the trade mark of Dolby Laboratories Inc.

DISASSEMBLY INSTRUCTIONS

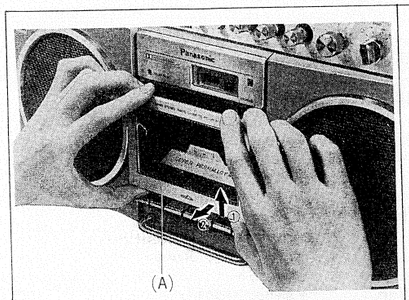


Fig. 2

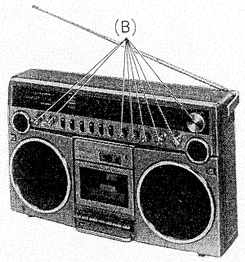


Fig. 3

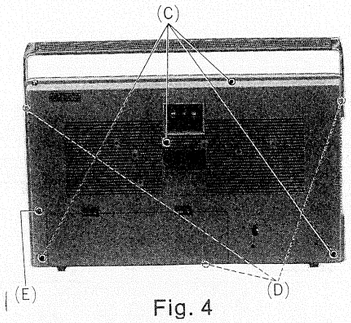


Fig. 4

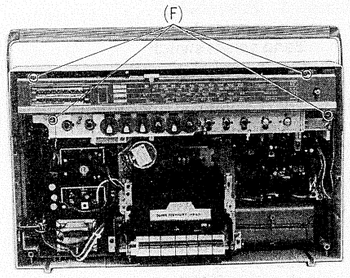
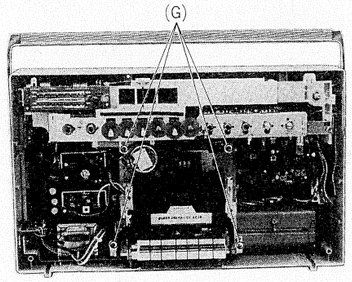


Fig. 5



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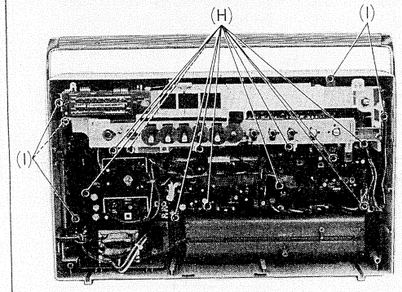


Fig. 7

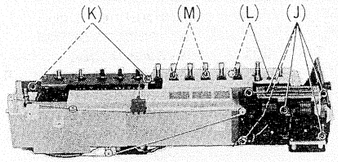


Fig. 8

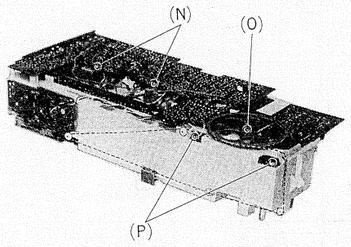


Fig. 9

Procedure	To remove ——.	Remove ——.	Shown in fig. ——.
1	Front panel assembly	Cassette lid (A) × 1 (*1), Knob (B) × 8 Screw 35 × 50(C) × 4, Screw 3 × 10(D) × 3	2, 3, 4
	Telescopic antenna	Screw 3 × 16(E) × 1	4
2	Dial scale	Screw 3 × 10(F) × 4	5
3	Mechanism	Screw 3 × 10(G) × 4	6
4	Audio circuit board	Screw 3 × 13(H) × 12, Screw 3 × 12(I) × 5	7
5	LED circuit board	Screw 3 × 10(J) × 5	8
6	TONE circuit board	Screw 3 × 10(K) × 2	8
7	Switch and radio circuit board	Screw 3 × 6(L) × 2, Screw 3 × 6(M) × 2, Screw 3 × 8(N) × 2, Screw 26 × 8(O) × 1, Screw 3 × 10(P) × 2	8,9

(*1), Remove the cassette lid in the direction of arrows ① and ② .

■ CONNECTOR POSITIONS

1. LED circuit board connector.
2. Record/playback head connector.
3. Built-in microphones connector.
4. Mechanism connector.
5. Power supply connector.
6. Speaker connector.
7. Headphone connector.
8. Erase head connector.
9. External antenna connector.
10. Radio circuit board connector.
11. Tone circuit board connector.

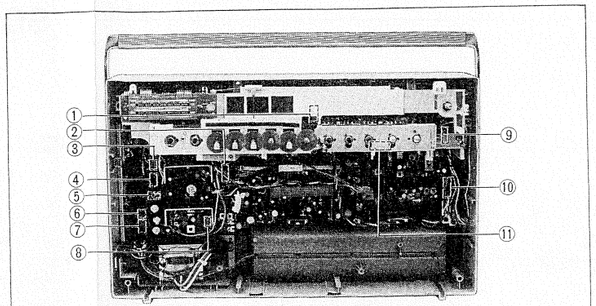


Fig. 10

DIAL THREADING

■ DIAL CORD LENGTH: 1800mm

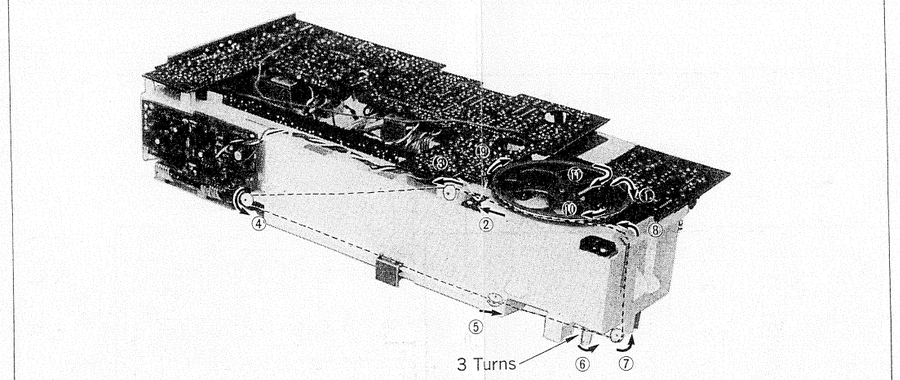
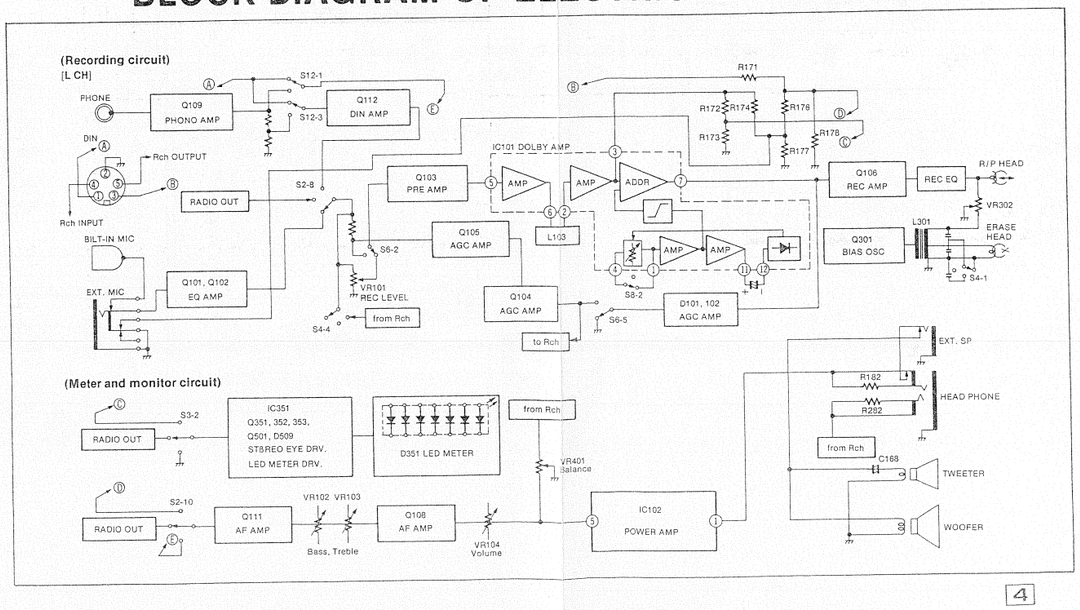
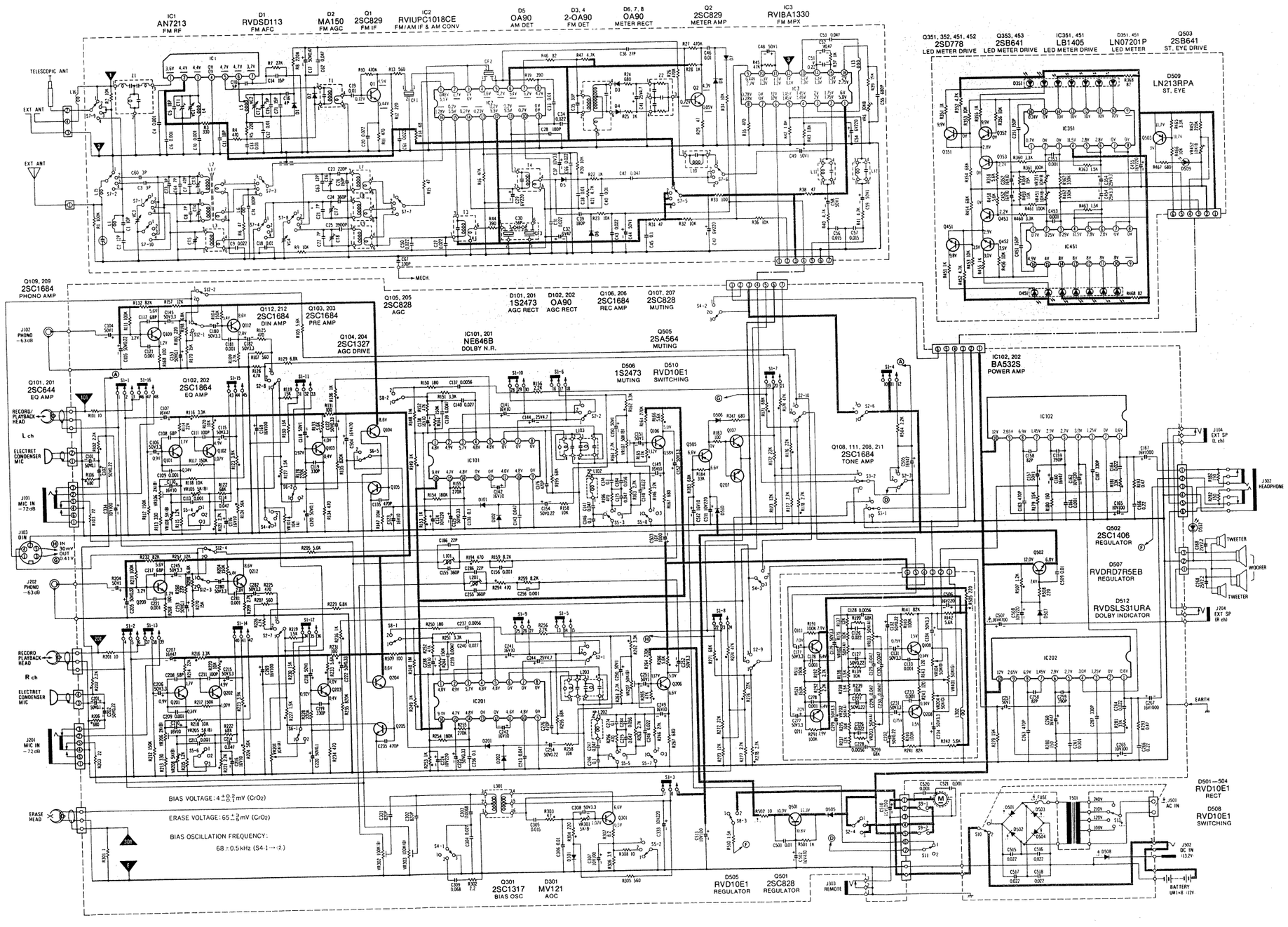


Fig. 11

BLOCK DIAGRAM OF ELECTRICAL CIRCUITS



SCHEMATIC DIAGRAM MODEL RX-5500LS

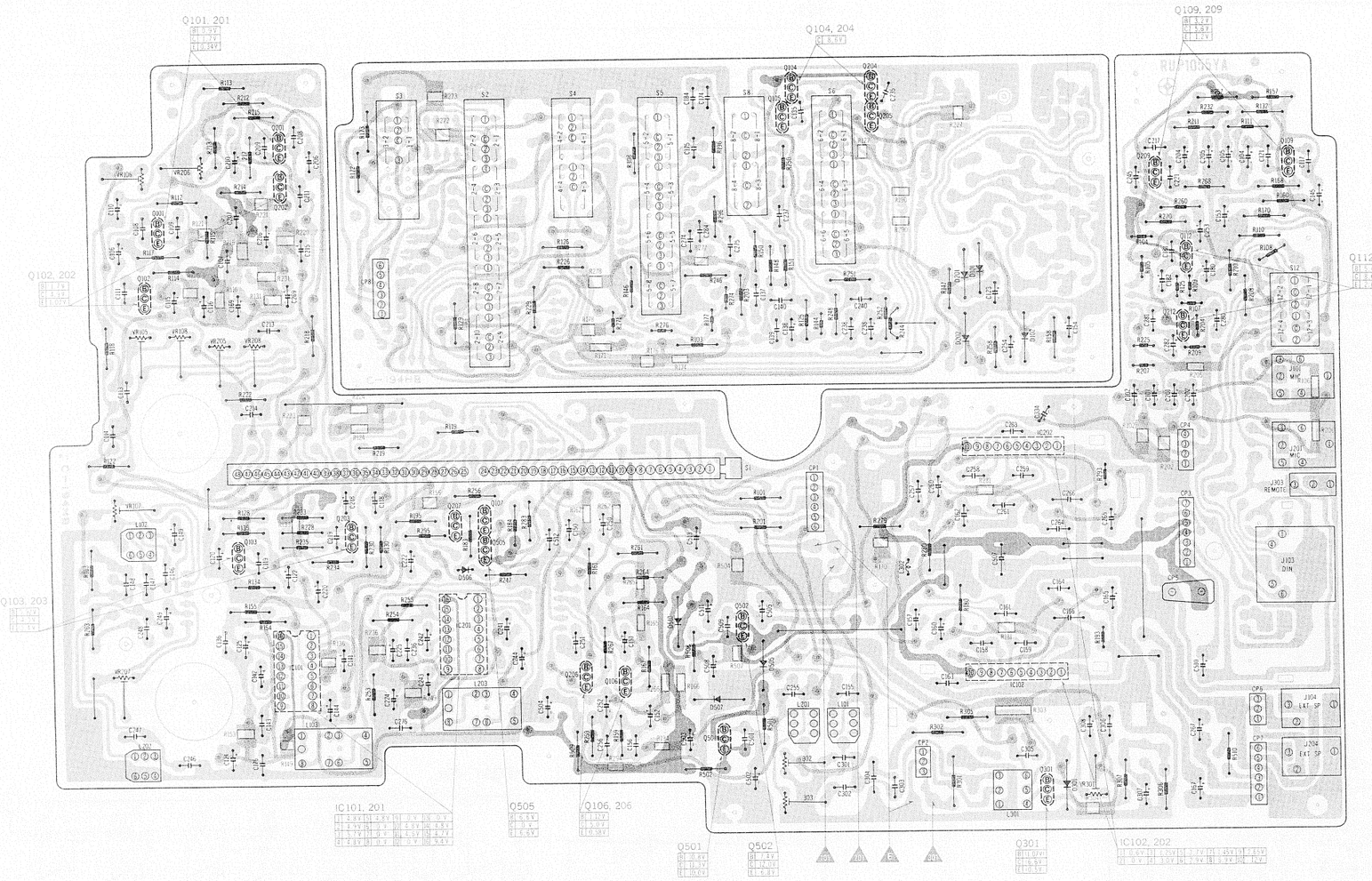


NOTE:

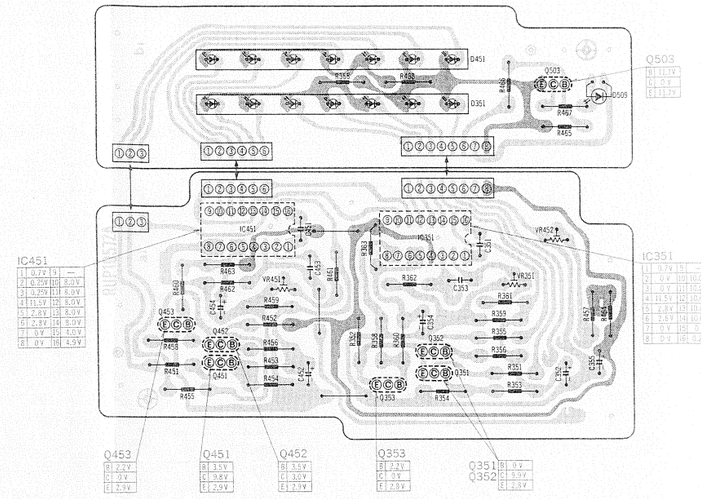
1. S1-1 ~ S1-16 ...Record / Playback switch (shown in playback position).
2. S2-1 ~ S2-10 ...Function switch (shown in tape position). 1...Tape, 2...Radio, 3...Phono / DIN in
3. S3-1 ~ S3-2.....LED meter switch (shown in OFF position). 1...OFF, 2...Tuning • battery, 3...Level
4. S4-1 ~ S4-4.....Mode / beat proof switch (shown in stereo / I position). 1...Moho / III, 2...Stereo / II, 3...Stereo / I
5. S5-1 ~ S5-8.....Tape selector switch (shown in normal position). 1...Normal, 2...FeCr, 3...CrO_2
6. S6-1 ~ S6-6.....Recording mode switch (shown in manual position). 1...Manual, 2...Easy-matic
7. S7-1 ~ S7-10 ...Band select switch (shown in FM position). 1...FM, 2...LW, 3...MW, 4...SW
8. S8-1 ~ S8-3.....Dolby switch (shown in OUT position).
9. S9-1 ~ S9-2.....Motor switch (shown in OFF position).
10. S10 .....AC / DC IN select switch (shown in DC IN position).
11. S11 .....Muting switch. 1...Stop, 2...Play
12. S12-1 ~ S12-4...Input select switch (shown in DIN IN position). 1...DIN IN, 2...PHONO IN
13. S13 .....Voltage select switch.
14. VR1 .....Pilot signal adjustment VR.
15. VR101, 201.....Recording level control.
16. VR102, 103 202, 203.....Bass and treble control.
17. VR104, 204.....Volume control.
18. VR105, 205.....Playback frequency response (normal) adjustment VR.
19. VR106, 206.....Playback gain adjustment VR.
20. VR107, 207.....Overall gain adjustment VR.
21. VR108, 208.....Playback frequency response (CrO_2) adjustment VR.
22. VR301 .....Erase current adjustment VR.
23. VR302, 303.....Bias cirrent adjustment VR.
24. VR351, 451.....Meter level adjustment VR.
25. VR401 .....Balance control.
26. VR452.....Battery check adjustment VR.
27. The mark (▼) shows test point. e.g. ▼ = Test point 1.
16. The mark (●) shows printed type resistors.
17. All voltage values shown in circuitry are under no signal condition with volume control at minimum position.
    For measurement, use electronics voltmeter.
    The upper values should be measured during FM and the lower values dring AM (Radio Circuit).
    The voltage indication of Q301 are measured during recording. (Audio circuit).
    The voltage indication of IC351, 451 and Q351, 352 Q353, 451, 452, 453, 503 are measured during playback. [S3 (Meter switch) to 2 (battery) position] (Meter circuit).
30. ⚠ indicates that only parts specified by the manufacture be used for safety.

CIRCUIT BOARD MODEL RX-5500LS

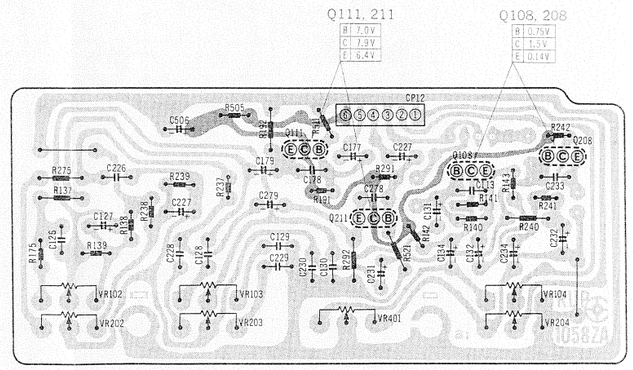
AUDIO CIRCUIT BOARD



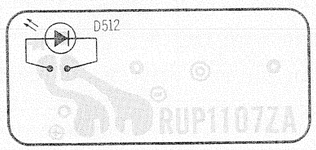
LED METER CIRCUIT BOARD



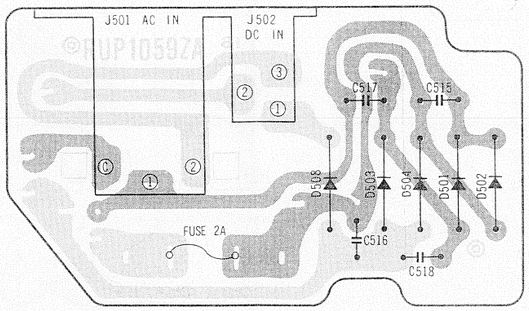
TONE CIRCUIT BOARD



LED (DOLBY) CIRCUIT BOARD

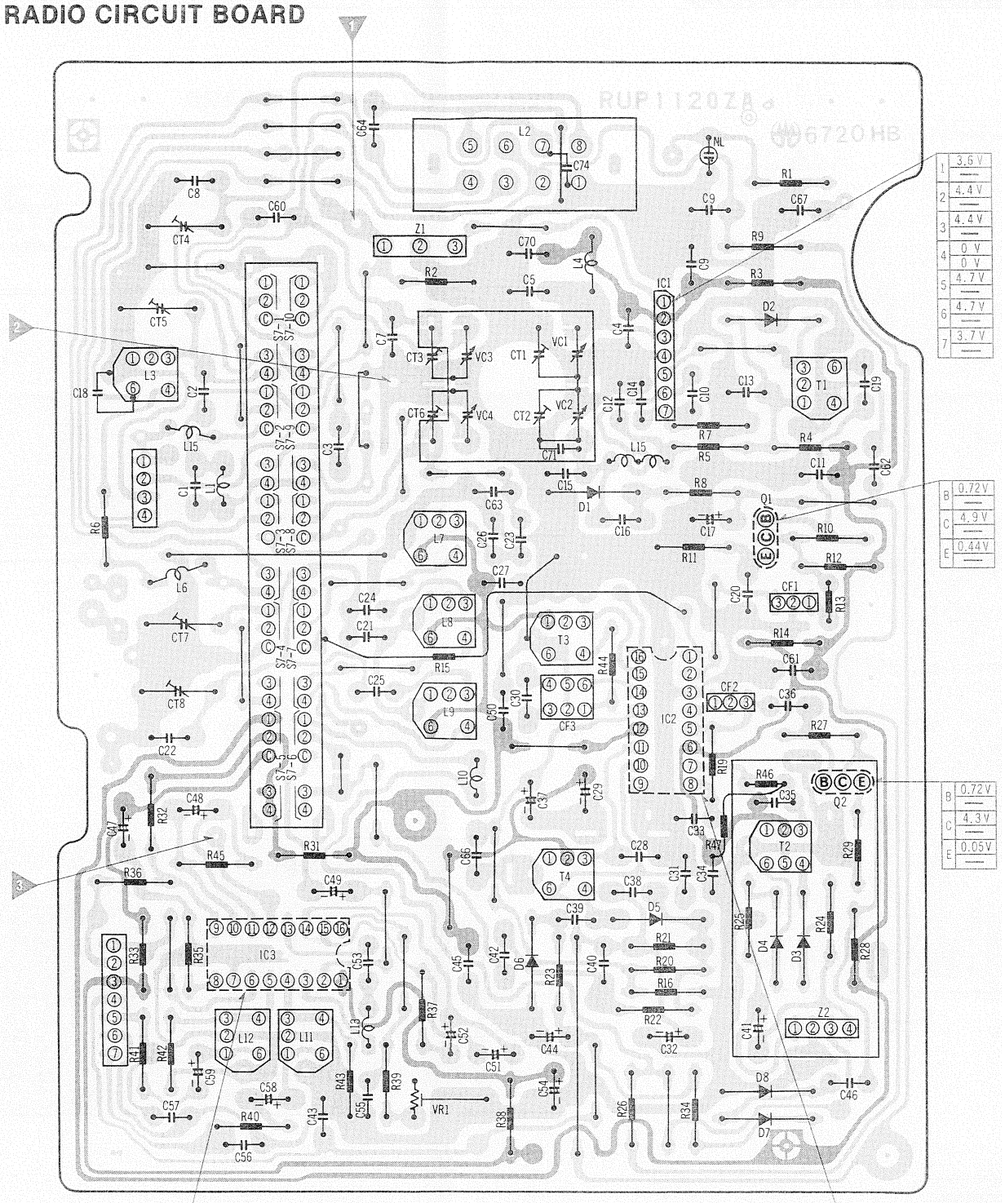


POWER CIRCUIT BOARD

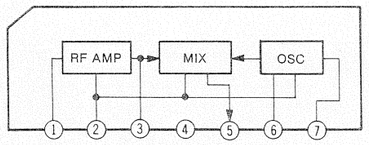


CIRCUIT BOARD MODEL RX-5500LS

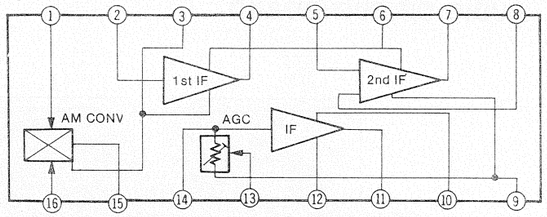
RADIO CIRCUIT BOARD



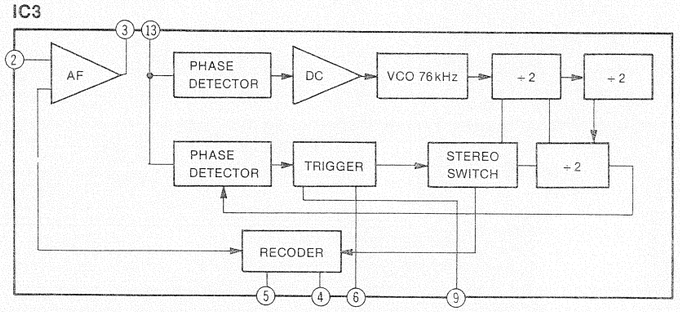
IC1



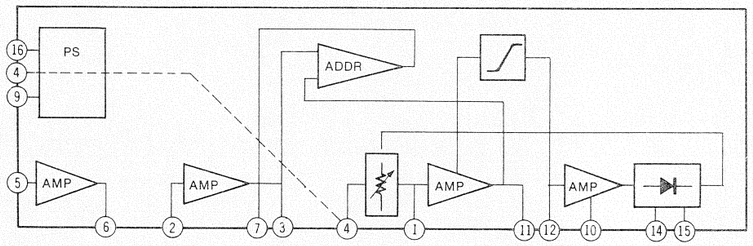
IC2



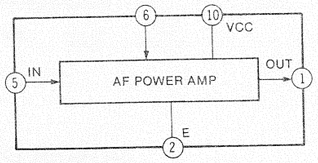
IC3



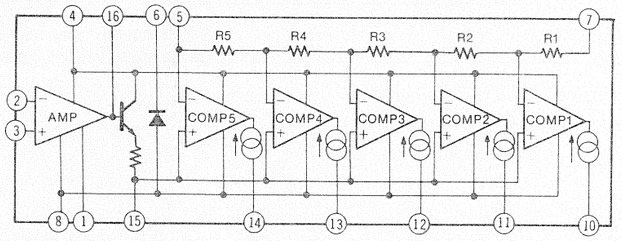
IC101, IC201

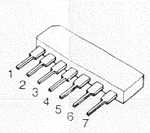
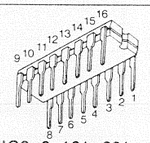
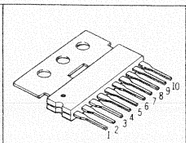
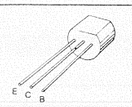
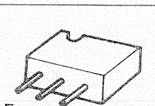
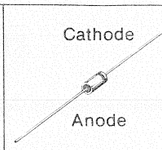
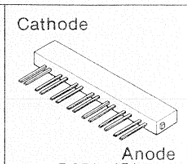
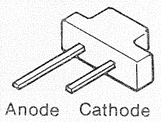
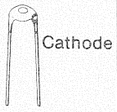
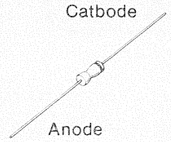
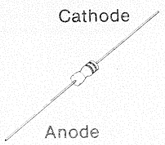
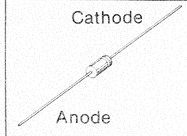
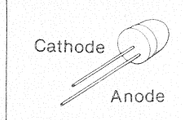


IC102, 202

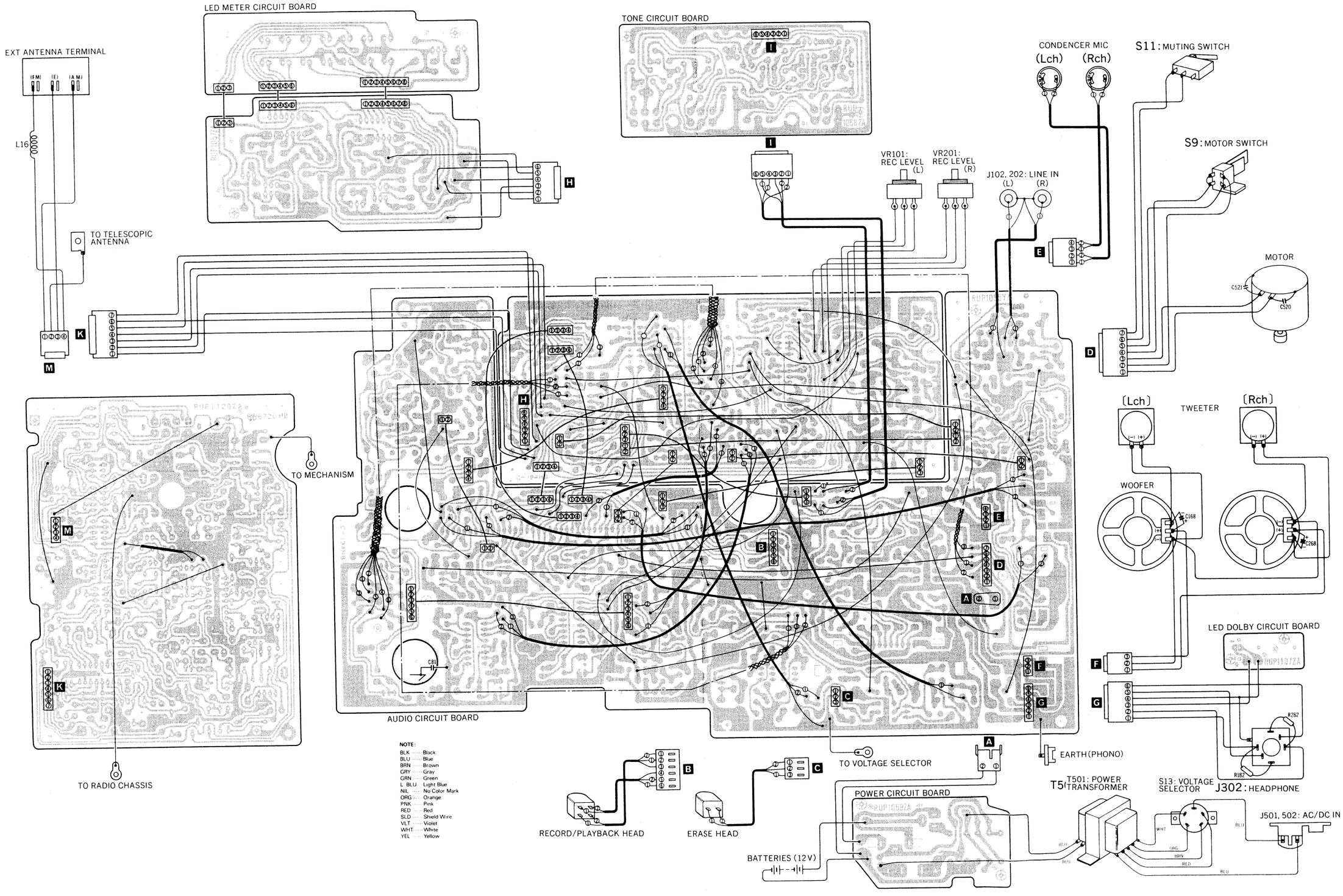


IC351, 451



 IC1	 IC2, 3, 101, 201, 351, 451	 IC102, 202	 Q1, 2, 101—109, 111, 112, 201—209, 211, 212, 301, 501, 502, 505	 Q351, 352, 353, Q451 452, 453, Q503	 D1, 2, 101, 210, 506	 D351, 451
 D509	 D301	 D5, 6, 7, 8, 102, 202	 D3, 4	 D501, 502, 503, 504, 508	 D512	

WIRING CONNECTION DIAGRAM MODEL RX-5500LS



NOTE:

BLK	Black
BLU	Blue
BRN	Brown
GRY	Gray
GRN	Green
L. BLU	Light Blue
NIL	No Color Mark
ORG	Orange
PNK	Pink
RED	Red
SLD	Shield Wire
VLT	Violet
WHT	White
YEL	Yellow

ALIGNMENTS

■ ALIGNMENT INSTRUCTION

Adjustment parts location is shown in Fig. 13 and Fig. 14.

READ CAREFULLY BERORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set balance control to center.
3. Set bass and treble control to center.
4. Set band switch to MW, LW, SW or FM.
5. Set tape/radio/sleep selector to radio.
6. Set power source voltage to 12V DC.
7. Output of signal generator should be no higher than necessary to obtain an output reading.

■ LW, MW, AND SW ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
			AM IF ALIGNMENT				
(1)	MW	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455kHz 30% Mod. at 400Hz	Point of non-interference.	Outout meter across voice coil	T3 (AM 1st IST) T4 (AM 2nd IFT)	Adjust for maximum output.
			LW-RF ALIGNMENT				
(2)	LW	〃	145kHz	145kHz [15.8mm(5/8″)]	Output meter across voice coil	L7 (LW OSC Coil) (*1)L2 (LW ANT Coil)	Adjust for maximum output. Adjust L2 by moving coil bobbin along ferrite core.
(3)	LW	〃	285kHz	285kHz [132.0mm (5-3/16″)]	〃	CT6 (LW OSC Trimmer) CT3 (LW ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	(*1) Cement antenna bobbin with wax afetr completing alignment.						
			MW-RF ALIGNMENT				
(4)	MW	〃	550kHz	550kHz [15.8mm(5/8″)]	Output meter across voice coil	L8 (MW OSC Coil) (*2)L2 (MW ANT Coil)	Adjust for maximum output. Adjust L2 by moving coil bobbin along ferrite core.
(5)	MW	〃	1500kHz	1500kHz [132.0mm (5-3/16″)]	〃	CT7 (MW OSC Trimmer) CT4 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
	(*2) Cement antenna bobbin with wax after completing alignment.						
			SW-RF ALIGNMENT				
(6)	SW1	〃	5.9MHz	5.9MHz [5.5mm(7/32″)]	Output meter across voice coil	L9 (SW OSC Coil) L3 (SW ANT Coil)	Adjust for maximum output.
(7)	SW1	〃	18MHz	18MHz [139.3mm (5-1/2″)]	〃	CT8(SW OSC Trimmer) CT5 (SW ANT Trimmer)	Adjust for maximum output. Repeat steps (6) and (7).

■ FM IF & DETECTOR ALIGNMENT

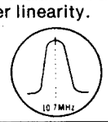
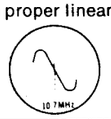
EQUIPMENT REQUIRED

Signal generator that provides 10.7MHz marker. Sweep generator that provides 10.7MHz with 400kHz sweep width.

OSCILLOSCOPE

Set sweep selector of oscilloscope to "EXTERNAL SWEEP".
Apply 60Hz sweep signal from sweep generator to horizontal input terminals of oscilloscope.

1. Set band selector to FM.
2. Set volume control to maximum.
3. Set bass control to center.
4. Set treble control to center.
5. Maintain line voltage at 12 volts DC.
6. Set balance control to center.

	SWEEP GENERATOR COUPLING	SIGNAL GENERATOR COUPLING	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
(1)	High side thru. 0.001 F to point IC1 ① Common to ▼2.	High side thru. 0.001 F to point IC1 ① Common to ▼2.	Point of non-interference (on/about 90MHz)	Connect vert. amp. of scope to JP29. Common to ▼2.	T1 (FM 1st IF)	Adjust for maximum amplitude and proper linearity. 
(2)	Same as above.	Same as above.	Same as above.	Same as above.	T2 (FM 2nd IF) (Secondary)	To obtain proper linearity. 

■ FM RF ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
(3)	Connect to EXT FM antenna terminal through FM dummy antenna. Common to chassis.	87.5MHz (400Hz Mod.)	87.5MHz	Output meter across EXT SP jack (L).	L5 (FM OSC coil)	Adjust for maximum output.
(4)	〃	90MHz (400Hz Mod.)	90MHz	〃	L4 (FM DET coil)	〃
(5)	〃	106MHz (400Hz Mod.)	106MHz	〃	CT2 (FM OSC trimmer) CT1 (FM DET trimmer)	Adjust for maximum output. Repeat steps (3), (4) and (5).

■ SEPARATION ALIGNMENT

*** EQUIPMENTS REQUIRES**

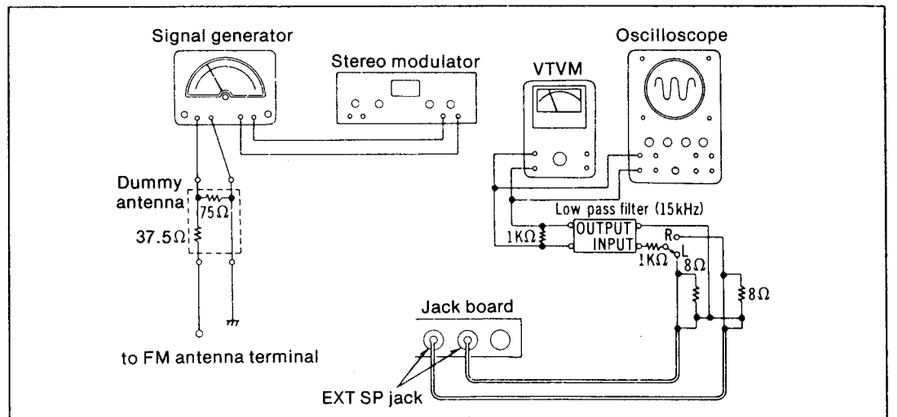
1) Stereo modulator.....Connect stereo modulator output to EX Mod. terminal of signal generator.
2) Signal generator .....Modulator rate by left signal.....8—10%
Modulation rate by left signal.....30%
Output level 60dB
Frequency.....Approx. 98MHz
3) Oscilloscope
4) Dummy antenna
5) Electronics voltmeter
6) Low pass filter (15kHz)

*** MEASURING CONDITION**

Band selector to FM, dial setting to approx. 98MHz, bass control to CENTER, treble control to CENTER, balance control to CENTER, volume control should be no higher than necessary to obtain output reading.

ALIGNMENT PROCEDURE

ITEM	SIGNAL SOURCE CONNECTION	EQUIPMENT CONNECTION	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	90MHz, 60dB	▼3 ...(+) side ▼2 ...(−) side	VR1	19kHz	Set stereo (L + R) modulation to zero.



Equipment connection for separation alignment

Fig. 12

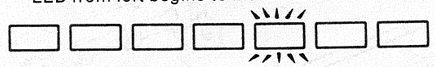
■ AUDIO ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Bias oscillation frequency	——	301 E	68kHz ± 0.5kHz (S4-1—②)	L301	Record mode
Erase current	——	301 E	65^{+3}_{-5}mV (Use CrO_2 tape)	VR301	Record mode
Bias current	——	(Lch) 101 (Rch) 201 (Earth) E	$4^{+0.2}_{-0.1}$mV (Use CrO_2 tape)	VR302 (Lch) VR303 (Rch)	Record mode
Playback level	QZZCFM (315Hz, 0dB)	DIN Jack	0.42 ± 0.02V	VR106 (Lch) VR206 (Rch)	Playback mode
Playback frequency response (NORMAL)	QZZCFM (315Hz, 4kHz, −20dB)	〃	315Hz→0dB 4kHz→ 1 ± 0.5dB	VR105 (Lch) VR205 (Rch)	Playback mode Tape selector...NORMAL
Playback frequency response (CrO_2)	f = 10kHz, −30dB 101 E	〃	CrO_2→ −4 ± 0.5dB	VR108 (Lch) VR208 (Rch)	Playback mode Tape selector...CrO_2 0dB = output level when the tape selector is set into normal position.
Overall gain	EXT MIC f = 1kHz, −40dB	REC CP12 (5) (L-ch) CP12 (4) (Rch) Playback... DIN Jack	REC...0.54mV Playback..... −100 ± 5mV	VR107 (Lch) VR207 (Rch)	1. Place UNIT into record mode, and tape selector to normal. 2. Supply 1kHz (−40dB) from AF oscillator to EXT. MIC. 3. Adjust REC LEVEL until monitor level at CP12 ⑤ and ④ becomes 0.54mV. 4. Playback recorded tape, and make sure the value at DIN on electronics voltmeter becomes 100mV ± 5mV.

■ LED METER ADJUSTMENTS

A. Battery check.
1. Supply DC 9.2V through the DC IN jack.
2. Set the unit into playback mode.
3. Adjust VR452 so that the 4th LED from left begins to illuminate.

B. Level check.
1. Supply DC 13.5V through the DC IN jack.
2. Playback a tone for standard level check of test tape (QZZCFM).
3. Adjust VR351 (Lch), VR451 (Rch) so that the 5th LED from left begins to illuminate.



■ ADJUSTMENT PARTS LOCATION

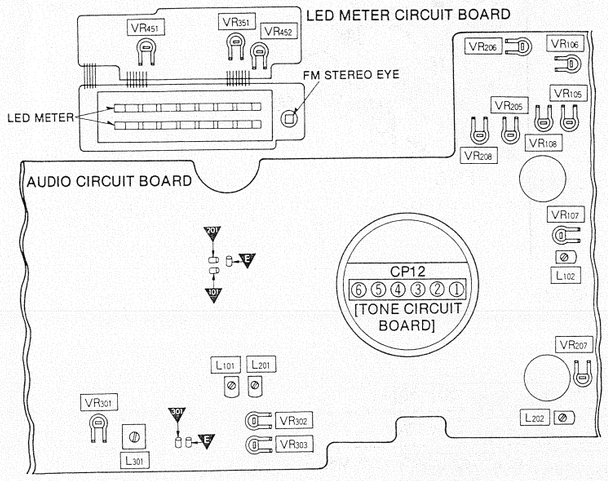


Fig. 13

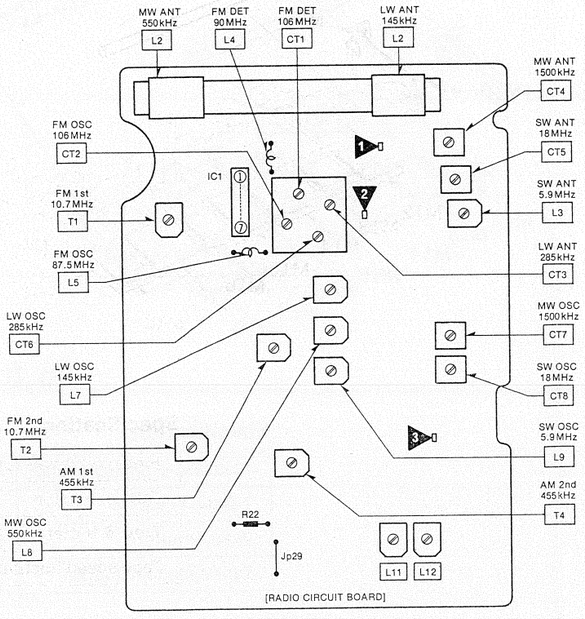


Fig. 14

ELECTRICAL PARTS LOCATION

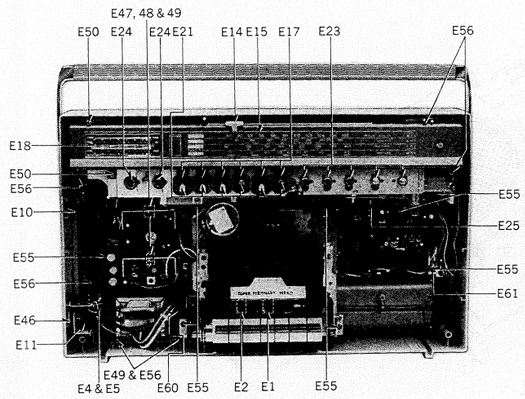


Fig. 15

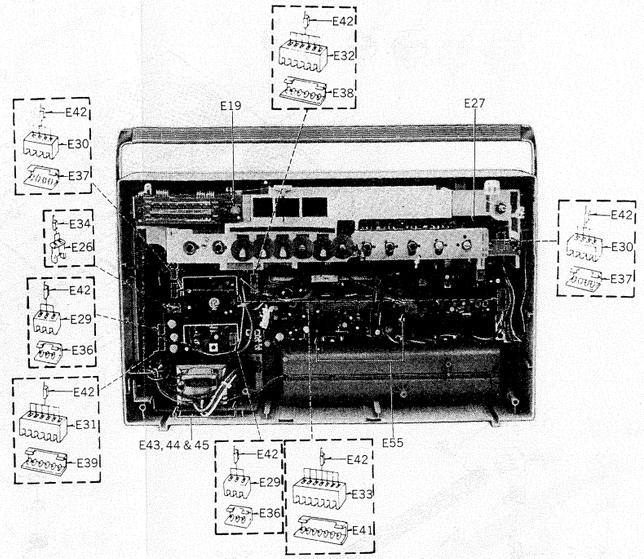


Fig. 16

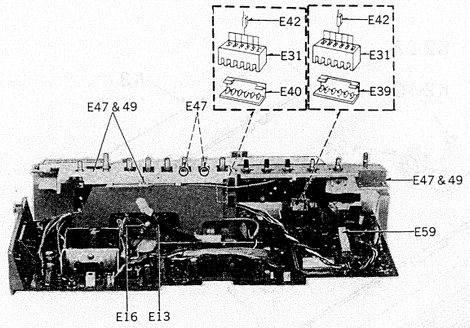


Fig. 17

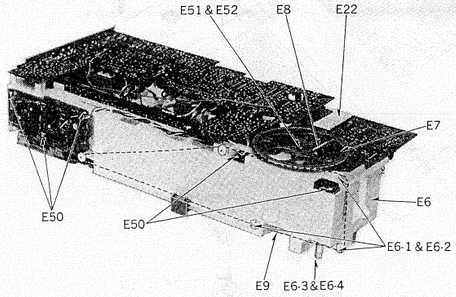


Fig. 18

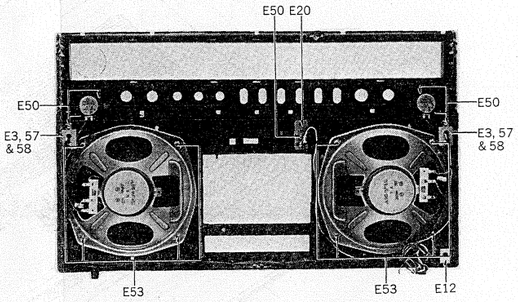


Fig. 19

CABINET PARTS

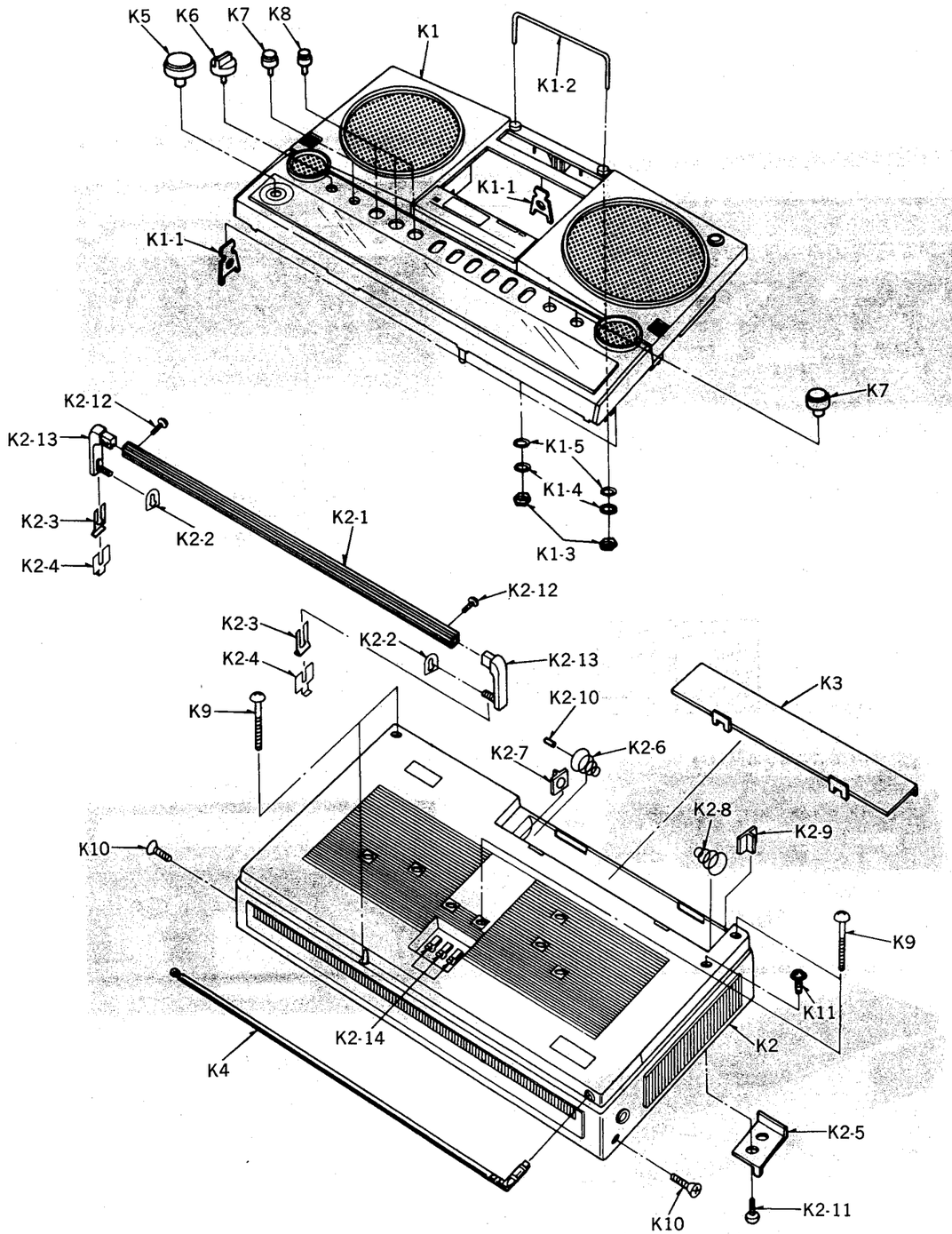


Fig. 20

EXPLODED VIEW

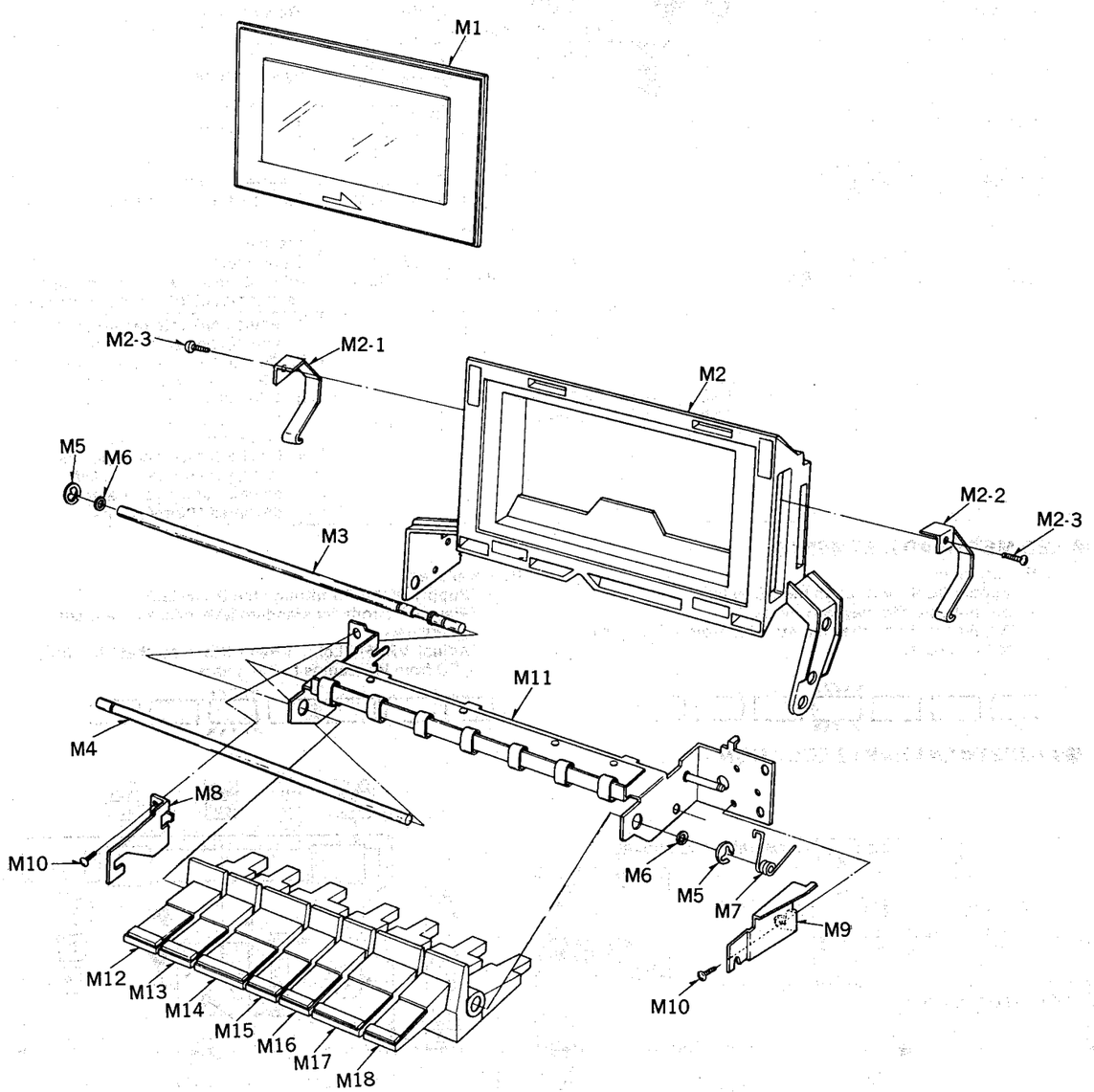


Fig. 21

Specification

Pressure of pressure roller	350 ± 50 gr
Takeup tension	50 ± 15 gr
Wow & flutter	Less than 0.09% (WRMS)
Tape speed fluctuation	± 3%

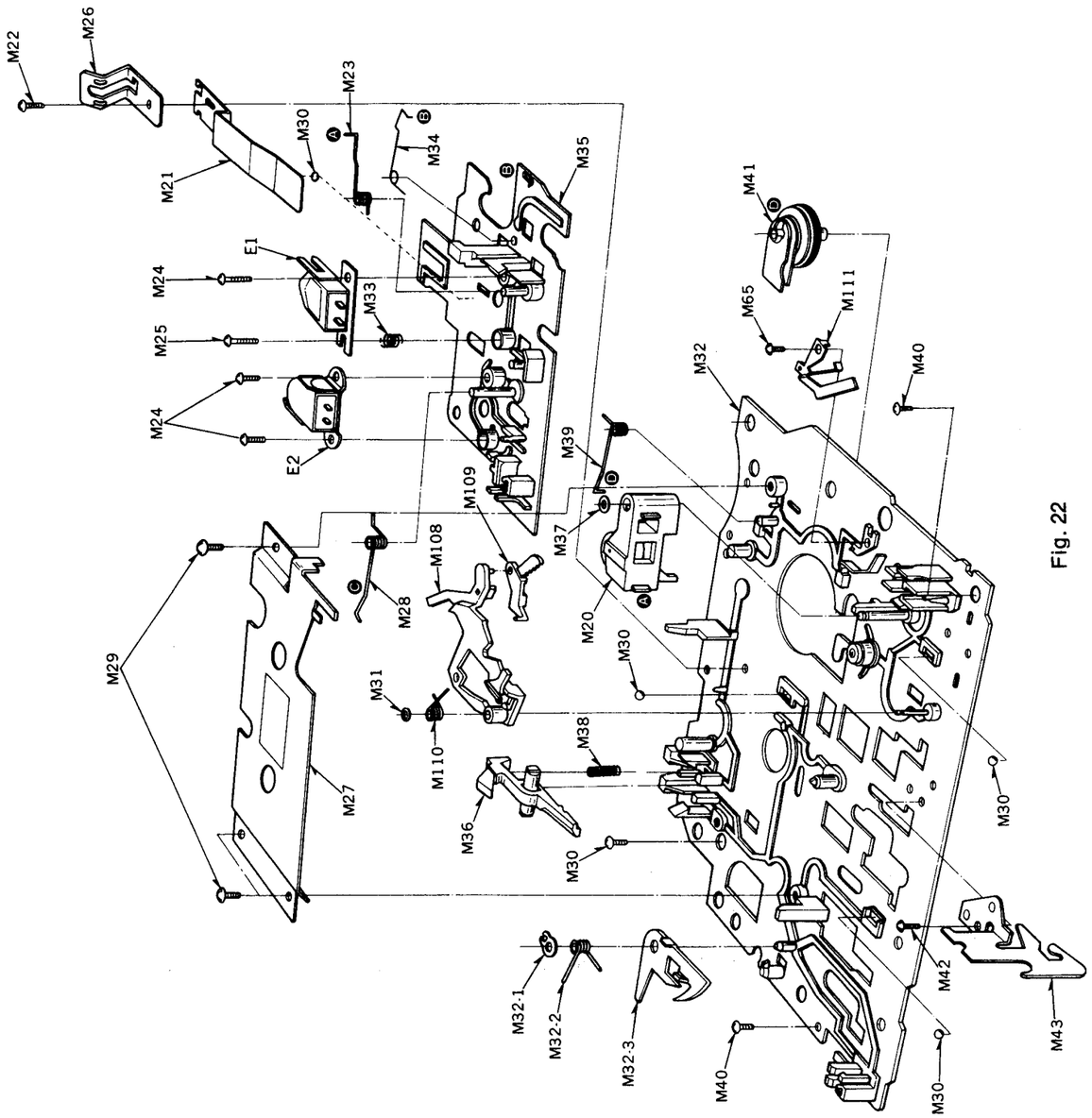

M22
M26
M21
M30
M23
M34
M35
E1
M24
M25
M33
M24
E2
M41
M65
M111
M32
M40
M39
M37
M109
M108
M28
M20
M30
M29
M31
M110
M38
M27
M36
M30
M30
M42
M43
M32-1
M32-2
M32-3
M40
M30

Fig. 22

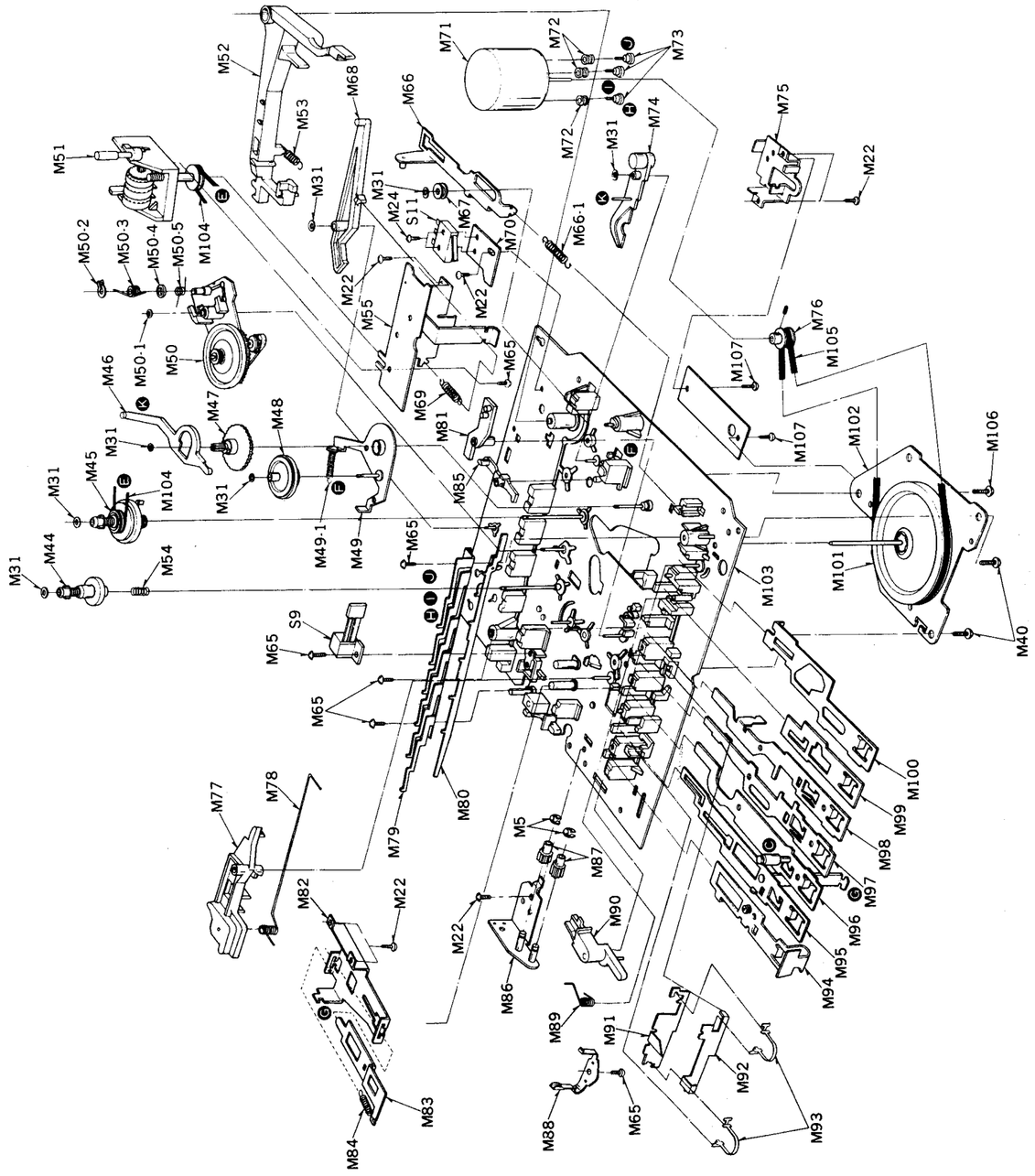

M52
M68
M66
M71
M72
M73
M53
M51
M31
M31
M24
S11
M67
M70
M72
M31
M74
M75
M22
M50-2
M50-3
M50-4
M50-5
M104
M66-1
M22
M22
M55
M50-1
M50
M65
M76
M105
M107
M46
M47
M48
M69
M81
M107
M102
M106
M31
M45
M104
M31
M85
M31
M44
M54
M49-1
M49
M65
M103
M101
M40
S9
M65
M65
M77
M78
M79
M80
M5
M87
M100
M99
M98
M97
M96
M95
M94
M82
M22
M22
M90
M86
M89
M91
M92
M93
M88
M65
M83
M84

Fig. 23

■REPLACEMENT PARTS LIST ····· Model RX-5500LS

(RD7903-5012C)

NOTES: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2. The ○ mark is used by the manufactaring plant only.
3. The Ⓢ mark is service standard parts and may differ from production parts.
4. ⚠ indicates that only parts specified by manufacturer be used for safety.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		MECHANICAL PARTS		
M1	RYQX5500LSXG	Cassette Lid Assembly	1	○
M2	RZQ1X5500LSXG	Cassette Slot Assembly	1	○
M2-1	RUS363Z	Spring, Cassette Holder (L)	1	○
M2-2	RUS364Z	Spring, Cassette Holder (R)	1	○
M2-3	XTN3+10G	Screw, Holder Spring M'tg	2	
M3	RDF823Z	Shaft, Push Button	1	○
M4	QMN1861	Shaft (B), Push Button	1	○
M5	XUC4FT	Stop Ring 4φ	4	Ⓢ
M6	RMX146Z	Spacer	2	○
M7	RUS381Z	Spring, Cassette Lid	1	○
M8	RUL593Z	Angle, Push Button (L)	1	○
M9	RUL592Z	Angle, Push Button (R)	1	○
M10	XTN3+6B	Screw, Angle M'tg	4	Ⓢ
M11	RZSX5500N	Push Button Spring Assembly	1	○
M12	QGO1544	Button, Pause	1	○
M13	QGO1543	Button, Record	1	○
M14	QGO1542	Button, Playback	1	○
M15	QGO1541	Button, Rewind	1	○
M16	QGO1540	Button, Fast Forward	1	○
M17	QGO1539	Button, Stop	1	○
M18	QGO1538	Button, Eject	1	○
M20	QXL1057	Pressure Roller Assembly	1	
M21	QBP1773	Retainer Spring for Base Plate	1	○
M22	XTN26+5B	Screw, Retainer Spring & etc. M'tg	8	
M23	QBN1488	Spring, Pressure Roller	1	
M24	XSN2+10	Screw, Head M'tg & etc.	5	Ⓢ
M25	QHQ1226	Screw, Head Adjustment	1	
M26	QBP1807	Cassette Retainer Spring	1	○
M27	RZQ2X5500N	Cover, Chassis	1	○
M28	QBN1481	Spring, Playback	1	
M29	XTV26+6JFZ	Screw, Chassis Cover M'tg	3	
M30	QDK1012	Steel Ball 2.5φ	4	
M31	QBW2008	Snap Washer	7	
M32	QXK2140	Upper Base Plate	1	○
M32-1	XUB4FT	Stop Ring 4φ (C Type)	1	Ⓢ
M32-2	QBN1480	Spring, Pause Lock	1	
M32-3	QML2898	Lever, Pause Lock	1	
M33	QBC1278	Spring, Head Adjustment	1	
M34	QBN1514	Spring, Timer	1	
M35	QMK1612	Head Base Plate	1	
M36	QML3051	Lever, Erase Safety	1	
M37	QBW2046	Snap Washer	1	
M38	QBC1193	Spring, Safety Lever	1	
M39	QBN1513	Spring, Idler	1	
M40	XTN3+10B	Screw, Upper Base Plate M'tg	6	Ⓢ
M41	QXI0098	Takeup Idler Assembly	1	
M42	XTN26+8B	Screw, Fulcrum Angle M'tg	2	Ⓢ
M43	QMA3169	Angle, Fulcrum	1	○
M44	QXD0084	Supply Reel Table Assembly	1	
M45	QXD0067	Takeup Reel Table Assembly	1	
M46	QML3040	Lever, Cam	1	
M47	QDG1096	Gear, Cam	1	
M48	QXG1026	Auto Stop Gear Assembly	1	
M49	QXL1037	Gear Lever Assembly	1	
M49-1	QBT1682	Spring, Lock Keeping	1	
M50	QXL1136	Fast Forward Gear Assembly	1	
M50-1	QBW2008	Snap Washer	1	
M50-2	XUB4FT	Stop Ring 4φ (C Type)	1	Ⓢ
M50-3	QBN1517	Spring, Fast Forward	1	
M50-4	QMC0080	Spacer	1	
M50-5	QBN1559	Spring, Fast Forward Arm	1	
M51	QDC0101	Counter	1	○
M52	QML3038	Arm, Switch	1	
M53	QBT1682	Spring, Lock Keeping	1	
M54	QBC1338	Spring, Back Tension	1	○
M55	QMA3611	Angle, Counter	1	○
M65	XTN26+6B	Screw, Counter & etc. M'tg		Ⓢ
M66	QXR0444	Rod, Eject (B)	1	○
M66-1	QBT1619	Spring, Idler	1	
M67	QMZ1227	Spacer (A)	1	○
M68	QML3418	Lever, Change	1	○
M69	QBT1566	Spring, Change Lever	1	
M70	QMF2015	Plate, Timing Adjustment	1	○
M71	MMC6F2MXA	Motor	1	○
M72	QBG1539	Rubber, Motor	3	
M73	QHQ1223	Screw, Motor M'tg	3	
M74	QXL1055	Auto Stop Lever Assembly	1	
M75	QMA3619	Belt Guide	1	○
M76	QXP0513	Motor Pulley Assembly	1	
M77	QML3054	Lever, Pause	1	
M78	QBN1530	Spring, Pause Lever	1	
M79	QBP1664	Spring, Operation Rod	1	
M80	QXR0275	Lock Rod Assembly	1	
M81	QML3049	Lever, Cue	1	
M82	QMA3610	Angle, Record	1	○
M83	QMR1728	Rod, Record Change	1	○
M84	QBT1859	Spring, Record Change Rod	1	○
M85	QML3042	Lever, Auto Stop Prevention	1	
M86	RZFX5500N	Shaft, Gear Damper	1	○
M87	RZGX5500N	Gear Damper	1	○
M88	QBP1662	Spring, Lock Rod	1	
M89	QBN1531	Spring, Lock Release	1	
M90	QML3124	Arm, Lock Release	1	
M91	QMR1628	Rod, Obstruction (A)	1	
M92	QMR1629	Rod, Obstruction (B)	1	
M93	QBP1770	Spring, Obstruction Rod	1	
M94	QXR0342	Pause Rod Assembly	1	
M95	QXR0443	Record Rod Assembly	1	○

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
M96	QXR0344	Playback Rod Assembly	1	
M97	QMR1624	Rod, Rewind (A)	1	
M98	QMR1623	Rod, Fast Forward (A)	1	
M99	QMR1622	Rod, Stop (A)	1	
M100	QMR1621	Rod, Eject (A)	1	
M101	QXF0123	Flywheel	1	
M102	QXH0305	Retainer, Flywheel	1	○
M103	QXK2133	Lower Base Plate	1	○
M104	QDB0253	Belt, Counter	1	○
M105	QDB0252	Belt, Flywheel	1	○
M106	XTB3+25B	Screw, Flywheel Retainer	1	Ⓢ
M107	XTW3+6L	Screw, Flywheel Retainer & etc. M'tg	2	
M108	QML3296	Lever, Protective	1	
M109	QML3048	Lever, Operating	1	
M110	QBN1516	Spring, Connection	1	
M111	QBP1795	Spring, Click	1	
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	AN7213	IC, FM RF	1	
IC2	RVIUPC1018CE	IC, FM/AM IF & AM CONV	1	
IC3	RVIBA1330	IC, FM MPX	1	○
IC101,201	NE646B	IC, Dolby N.R.	2	
IC102,202	BA532S	IC, Power Amp.	2	
IC351,451	LB1405	IC, LED Meter Drive	2	
Q1,2	2SC829	Transistor (Si), FM IF, Meter	2	
Q101,201	2SC644	Transistor (Si), EQ Amp.	2	
Q102,103,202,203	2SC1684	Transistor (Si), EQ/PRE Amp.	4	
Q104,204	2SC1327	Transistor (Si), AGC Drive	2	
Q105,205	2SC828	Transistor (Si), AGC	2	
Q106,206	2SC1684	Transistor (Si), REC Amp.	2	
Q107,207	2SC828	Transistor (Si), Muting	2	
Q108,109,208,209	2SC1684	Transistor (Si), TONE/PHONO Amp.	4	
Q111,112,211,212	2SC1684	Transistor (Si), TONE/DIN Amp.	4	
Q301	2SC1317	Transistor (Si), Bias OSC	1	
Q351,352,451,452	2SD778	Transistor (Si), LED Meter Drive	4	
Q353,453	2SB641	Transistor (Ge), LED Meter Drive	2	
Q501	2SC828	Transistor (Si), Regulator	1	
Q502	2SC1406	Transistor (Si), Regulator	1	
Q503	2SB641	Transistor (Ge), ST Eye Drive	1	
Q505	2SA564	Transistor (Ge), Muting	1	
D1	RVDSD113	Diode (Si), FM AFC	1	Ⓢ
D2	MA161	Diode (Si), FM AGC	1	Ⓢ
D3,4	20A90	Diode (Ge), FM DET	2	Ⓢ
D5,6,7,8	OA90	Diode (Ge), AM DET, Meter RECT	4	Ⓢ
D101,201	MA161	Diode (Si), AGC RECT	2	Ⓢ
D102,202	OA90	Diode (Ge), AGC RECT & Switching	2	Ⓢ
D301	MV121	Varistor, AOC	1	
D351,451	LN07201P	LED, Meter	2	
D501,502,503,504	SM112	Diode (Si), Rectifier	4	Ⓢ⚠
D505	SM112	Diode (Si), Regulator	1	Ⓢ
D506	MA161	Diode (Si), Muting	1	Ⓢ
D507	RVDRD7R5FB	Zener, Regulator	1	Ⓢ
D508	SM112	Diode (Si), Switching	1	Ⓢ
D509	LN213RPA	LED, ST Eye	1	
D510	SM112	Diode (Si), Switching	1	Ⓢ
D512	RVDSLS31URA	LED, Dolby Indicator	1	
		CERAMIC FILTERS, COILS AND TRANSFORMERS		
CF1,2	RVFCF10M12FR	Ceramic Filter (10.7MHz)	2	
CF3	QCRZZ455A7W	Ceramic Filter (455kHz)	1	
L2	RLF6D11	Bar Antenna, LW and MW	1	○
L3	QLA3M8	Antenna Coil, SW	1	
L4	RLD4Y44	Antenna Coil, FM	1	
L5	RLO4Y43	Oscillator Coil, FM	1	
L7	RLO1M4	Oscillator Coil, LW	1	
L8	RLO2M14	Oscillator Coil, MW	1	
L9	RLO3M31	Oscillator Coil, SW	1	
L10	RLM1Z4	Coil, MPX Filter	1	
L11,12	QLM1M2	Coil, Trap (19kHz)	2	
L101,201	QLQM1531	Coil, Bias Trap	2	
L102,202	QLQM0333	Coil, Recording EQ	2	
L103,203	QLM9Z6K	Coil, MPX Filter	2	
L301	QLB0180	Oscillator Coil, Bias	1	
T1	RLI4M101	IFT, FM 1st	1	Ⓢ
T2	RLI4M511	IFT, FM 2nd	1	
T3	RLI2M102	IFT, AM 1st	1	
T4	RLI2M402	IFT, AM 2nd	1	Ⓢ
T501	RLT5L97	Power Transformer	1	○ ⚠
		VARIABLE RESISTORS		
VR1	EVNK4AA00B14	Preset, 10KΩ (B), Pilot Circuit	1	Ⓢ
VR101,201	EVH60AF20A14	Variable Resistor, 10KΩ (A), Recording	2	
VR102,103,202,203	EWKBKAF15A54	Variable Resistor, 50KΩ (A), BASS & TREBLE	2	
VR104,204	EWKBDAF15A54	Variable Resistor, 50KΩ (A), Volume	1	
VR105,205	EVNM4AA00B53	Preset, 5KΩ (B), Playback Frequency Response (Normal)	2	Ⓢ
VR106,206	EVNK4AA00B23	Preset, 2KΩ (B), Playback Gain	2	Ⓢ
VR107,207	EVNK4AA00B54	Preset, 50KΩ (B), Overall Gain	2	Ⓢ
VR108,208	EVNM4AA00B53	Preset, 5KΩ (B), Playback Frequency Response (CrO_2)	2	Ⓢ
VR301	EVNM4AA00B53	Preset, 5KΩ (B), Erase Cirrent	1	Ⓢ
VR302,303	EVNM4AA00B15	Preset, 10KΩ (B), Bias Cirrent	2	Ⓢ
VR351,451	EVNJ0AA00B14	Preset, 10KΩ (B), Meter Level	2	
VR401	EVH3JAF15G54	Variable Resistor, 50KΩ (G), Balance	1	
VR452	EVNJ0AA00B14	Preset, 10KΩ (B), Battery Check	1	
		VARIABLE CAPACITORS		
VC1,2,3,4	QCVCB42C513	Tuning Capacitor, W/Trimmer Capacitor (CT1, 2, 3, 6)	1	
CT4,5,8	RCV1PX10AGS	Trimmer Capacitor	3	
CT7	RCV1PX20AGS	Trimmer Capacitor	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		COMPONENT COMBINATIONS		
Z1	RXABPMB3	Component Combination	1	
Z2	EXA5DL01CF	Component Combination	1	
		SPEAKERS		
SP1	EAS16P161S	Speaker, Imp. 3Ω, 16cm (6½"), PM Dynamic	2	
SP2	EAS3KH01SB	Speaker, Imp. 8Ω, 3cm (1¼"), PM Dynamic	2	
		SWITCHES		
S1	ESD81543	Switch, Record/Playback	1	
S2	RST3J02Z	Switch, Function	1	○
S3	RST3B10Z	Switch, LED Meter	1	○
S4	QST4312	Switch, Mode & Beat Proof	1	
S5	RST3H04Z	Switch, Tape Selector	1	
S6	RST2F04Z	Switch, Record Mode	1	
S7	ESA2629	Switch, Band	1	
S8	QST4219	Switch, Doldy N.R.	1	
S9	QSB0186	Switch, Motor	1	
S10	(Refer to J501,502)	Switch, AC/DC Selector	(1)	⚠
S11	QSM0067	Switch, Muting	1	
S12	RSS42A	Switch, DIN/PHONO Selector	1	
S13	RSR4A01X	Switch, AC Voltage Selector	1	⚠
		JACKS		
J101,201	QJA0153	Jack, EXT. MIC	2	
J102,202	RYEX5500LSXG	Jack Assembly, PHONO	1	○
J103	RJS15A	Jack, DIN	1	
J104,204	QJA0154	Jack, EXT. SP	2	
J302	RJJ109Z	Jack, Headphone	1	
J303	QJA0156	Jack, Remote	1	
J501,502	QJS0329	Jack, AC/DC IN	1	⚠
		RESISTORS		
R1	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R2	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R3	ERD25TJ331	330Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R4	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R5	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R6	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R7	ERD25TJ273	27KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R8	ERD25TJ224	220KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R9	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R10	ERD25TJ474	470KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R11	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R12	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R13	ERD25TJ561	560Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R14	ERD25TJ680	68Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R15	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R16	ERD25TJ473	47KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R19	ERD25TJ391	390Ω, ¼Watt, ±5%, Carbon	1	Ⓢ

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R20	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R21	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R22	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R23	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R24	ERD25TJ681	680Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R25	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R26,27	ERD25TJ474	470KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R28	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R29	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R31	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R32	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R33	ERD25TJ101	100Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R34	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R35	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R36	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R37	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R38	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R39	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R40,41	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R42,43	ERD25TJ182	1.8KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R44	ERD25TJ391	390Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R45	ERD25TJ473	47KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R46	ERD25TJ820	82Ω, ¼Watt, ±5%, Carbon	1	Ⓢ
R47	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R101,201	ERD25TJ100	10Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R103,203	ERD25TJ220	22Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R104,204	ERD25TJ154	150KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R105	ERD25TJ562	5.6KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R107,207	ERD25TJ561	560Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R109,209	ERD25TJ272	2.7KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R111,211	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R112,212	ERD25TJ154	150KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R113,213	ERD25TJ331	330Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R114,214	ERD25TJ223	22KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R115,215	ERD25TJ122	1.2KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R117,217	ERD25TJ154	150KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R118,218	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R119,219	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	1	Ⓢ
R122	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R125,225	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R126,226	ERD23TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R128,228	ERD25TJ224	220KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R129,229	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R130,230	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R132,232	ERD25TJ823	82KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R134,234	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R135,235	ERD25TJ824	820KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R137,237	ERD25TJ123	12KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R138,238	ERD25TJ152	1.5KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R139,239	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R140,240	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R141,241	ERD25TJ823	82KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R142,242	ERD25TJ562	5.6KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R143,243	ERD25TJ121	120Ω, ¼Watt, ±5%, Carbon	2	Ⓢ
R144,244	ERD25TJ154	150KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R146,246	ERD25TJ273	27KΩ, ¼Watt, ±5%, Carbon	2	Ⓢ
R147	ERC14GK106	10MΩ, ¼Watt, ±10%, Solid	1	Ⓢ

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
R148,248	ERD25TJ105	1MΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R150,250	ERD25TJ181	180Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R151,251	ERD25TJ332	3.3KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R152,252	ERD25TJ473	47KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R154,254	ERD25TJ184	180KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R155,255	ERD25TJ274	270KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R157	ERD25TJ123	12KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R158,258	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R159,259	ERD25TJ822	8.2KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R160,260	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R161,261	ERD25TJ272	2.7KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R163,263	ERD25TJ272	2.7KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R164,264	ERD25TJ274	270KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R167,267	ERD25TJ681	680Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R168,268	ERD25TJ101	100Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R170,270	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R172	ERD25TJ223	22KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R173	ERD25TJ123	12KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R175,275	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R177	ERD25TJ272	2.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R180,280	ERD25TJ151	150Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R182,282	ERD25TJ151	150Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R183	ERD25TJ101	100Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R184	ERD25TJ333	33KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R191,291	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R192,292	ERD25TJ272	2.7KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R193,293	ERX12ANJR47	0.47Ω, ½Watt, ±5%, Metal-oxide Film	2		Ⓢ
R195,295	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R196,296	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R198,298	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R199,299	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R222	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R233	ERD25TJ562	5.6KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R247	ERD25TJ681	680Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R253	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R255	ERD25TJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R257	ERD25TJ123	12KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R271	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R274	ERD25TJ473	47KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R276	ERD25TJ223	22KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R279	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R283	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R301	ERX12ANJ1R0	1Ω, ½Watt, ±5%, Metal-oxide Film	1		Ⓢ
R302	ERD25TJ2R2	2.2Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R305	ERD25TJ561	560Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R306	ERD25TJ3R9	3.9Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R307	ERD25TJ8R2	8.2Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R308	ERD25TJ100	10Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R351,451	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R352,452	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R353,453	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R354,454	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R355,455	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R356,456	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R358,458	ERD25TJ562	5.6KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R359,459	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R360,460	ERD25TJ332	3.3KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R361,461	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R362,462	ERD25TJ334	330KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R363,463	ERD25TJ152	1.5KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
R368,468	ERD25TJ820	82Ω, ¼Watt, ±5%, Carbon	2		Ⓢ
R457	ERD25TJ224	220KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R464	ERD25TJ4R7	4.7Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R465	ERD25TJ332	3.3KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R466	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R467	ERD25TJ681	680Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R501	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R502	ERX1ANJ100	10Ω, 1Watt, ±5%, Metal-oxide Film	1		Ⓢ
R505	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R508	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R509	ERD25TJ101	100Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R510	ERD25TJ152	1.5KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R511,512	ERD25TJ154	150KΩ, ¼Watt, ±5%, Carbon	2		Ⓢ
		CAPACITORS			
C1	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	1		
C2	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	1		
C3	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1		
C4	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1		
C5	ECCD1H180KC	18PF, 50WV, ±10%, Ceramic	1		
C6	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1		
C7	ECCD1H470K	47PF, 50WV, ±10%, Ceramic	1		
C8	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1		
C9	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1		
C10	ECCD1H050C	5PF, 50WV, ±0.25PF, Ceramic	1		
C11,12,13	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	3		
C14	ECCD1H150KC	15PF, 50WV, ±10%, Ceramic	1		
C15	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1		
C16	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1		
C17	ECEA50ZR47	0.47μF, 50WV, Electrolytic	1		Ⓢ
C18	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1		
C19	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1		
C20	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1		
C21	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1		
C22	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1		
C23	ECMS05221JH	220PF, 50WV, ±5%, Mica	1		
C24	ECQS1361JW	360PF, 100WV, ±5%, Styrol	1		
C25	ECQS1392KW	0.0039μF, 100WV, ±10%, Styrol	1		
C26	ECMS05151JH	150PF, 50WV, ±5%, Mica	1		
C27	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1		
C28	ECCD1H181K	180PF, 50WV, ±10%, Ceramic	1		
C29	ECEA1AS221	220μF, 10WV, Electrolytic	1		Ⓢ
C30	ECCD1H560K	56PF, 50WV, ±10%, Ceramic	1		
C31	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1		
C32	ECEA1AS470	47μF, 10WV, Electrolytic	1		Ⓢ
C33	ECFVD103MD	0.01μF, 25WV, ±20%, Semi-Conductor	1		
C34	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	1		
C35	ECCD1H330KC	33PF, 50WV, ±10%, Ceramic	1		
C36	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1		
C37	ECEA1CS330	33μF, 16WV, Electrolytic	1		Ⓢ
C38	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1		
C39	ECCD1H181K	180PF, 50WV, ±10%, Ceramic	1		
C40	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1		

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C41	ECEA25Z4R7	4.7μF, 25WV, Electrolytic	1	Ⓢ
C42	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C43	ECKD1H223ZF	0.022μF, 50WV, +80 −20%, Ceramic	1	
C44	ECEA50Z1	1μF, 50WV, Electrolytic	1	Ⓢ
C45	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	1	
C46	ECKD1H103ZF	0.01μF, 50WV, +80 −20%, Ceramic	1	
C47	ECEA1AS221	220PF, 10WV, Electrolytic	1	Ⓢ
C48,49	ECEA50Z1	1μF, 50WV, Electrolytic	2	Ⓢ
C50	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	1	
C51	ECEA50ZR22	0.22μF, 50WV, Electrolytic	1	Ⓢ
C52	ECEA50ZR47	0.47μF, 50WV, Electrolytic	1	Ⓢ
C53	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C54	ECEA1AS221	220PF, 10WV, Electrolytic	1	Ⓢ
C55	ECQS1681KW	680PF, 100WV, ±10%, Styrol	1	
C56,57	ECFVD153MD	0.015μF, 25WV, ±20%, Semi-Conductor	2	
C58,59	ECEA50Z1	1μF, 50WV, Electrolytic	2	Ⓢ
C60	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1	
C61	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	1	
C62	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C63	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	1	
C66	ECKD1H223ZF	0.022μF, 50WV, +80 −20%, Ceramic	1	
C67	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1	
C70	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C71	ECCD1H150KC	15PF, 50WV, ±10%, Ceramic	1	
C73	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1	
C74	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1	
C101,201	ECEA50ZR1	0.1μF, 50WV, Electrolytic	2	Ⓢ
C102,202	ECEA50ZR22	0.22μF, 50WV, Electrolytic	2	Ⓢ
C104,204	ECEA50Z1	1μF, 50WV, Electrolytic	2	Ⓢ
C105,205	ECEA50ZR22	0.22μF, 50WV, Electrolytic	2	Ⓢ
C106,206	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C107,207	ECEA1ES470	47μF, 25WV, Electrolytic	2	Ⓢ
C108,208	ECCD1H680K	68PF, 50WV, ±10%, Ceramic	2	
C109,209	ECKD1H102ZF	0.001μF, 50WV, +80 −20%, Ceramic	2	
C110,210	ECEA1HS100	10μF, 50WV, Electrolytic	2	Ⓢ
C111,211	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	2	
C113,213	ECFVD102KV	0.001μF, 25WV, ±10%, Semi-Conductor	2	
C114,214	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	2	
C115,215	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C116,216	ECEA1HS100	10μF, 50WV, Electrolytic	2	Ⓢ
C117,217	ECCD1H680K	68PF, 50WV, ±10%, Ceramic	2	
C118,218	ECEA50Z1	1μF, 50WV, Electrolytic	2	Ⓢ
C119,219	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	2	
C120,220	ECEA50ZR1	0.1μF, 50WV, Electrolytic	2	Ⓢ
C121,221	ECKD1H102ZF	0.001μF, 50WV, +80 −20%, Ceramic	2	
C122,222	ECEA50ZR33	0.33μF, 50WV, Electrolytic	2	Ⓢ
C123	ECEA1HS100	10μF, 50WV, Electrolytic	1	Ⓢ
C124,224	ECEA1AS221	220μF, 10WV, Electrolytic	2	Ⓢ
C125,225	ECEA50ZR33	0.33μF, 50WV, Electrolytic	2	Ⓢ
C126,226	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	2	
C127,227	ECEA50ZR22	0.22μF, 50WV, Electrolytic	2	Ⓢ
C128,228	ECFVD562KV	0.0056μF, 25WV, ±10%, Semi-Conductor	2	
C129,229	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	2	
C130,230	ECFVD472KV	0.0047μF, 25WV, ±10%, Semi-Conductor	2	
C131,231	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C132,232	ECEA50ZR22	0.22μF, 50WV, Electrolytic	2	Ⓢ
C133,233	ECKD1H102ZF	0.001μF, 50WV, +80 −20%, Ceramic	2	
C134,234	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C135,235	ECKD1H471KB	470PF, 50WV, ±10%, Ceramic	2	
C136,236	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	2	
C137,237	ECFVD562KV	0.0056μF, 25WV, ±10%, Semi-Conductor	2	
C138,238	ECEA1HS100	10μF, 50WV, Electrolytic	2	Ⓢ
C139,239	ECFVD472KV	0.0047μF, 25WV, ±10%, Semi-Conductor	2	
C140,240	ECQG05273KZ	0.027μF, 50WV, ±10%, Polystylene	2	
C141,142,241,242	ECEA1HS100	10μF, 50WV, Electrolytic	4	Ⓢ
C143,243	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	2	
C144,244	ECEA25Z4R7	4.7μF, 25WV, Electrolytic	2	Ⓢ
C145,245	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C146,246	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	2	
C147,247	ECQG05473KZ	0.047μF, 50WV, ±10%, Polystylene	2	
C148,248	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	2	
C149,249	ECEA1HS100	10μF, 50WV, Electrolytic	2	Ⓢ
C150,151,250,251	ECEA50Z1	1μF, 50WV, Electrolytic	4	Ⓢ
C152,252	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C153,253	ECEA50ZR1	0.1μF, 50WV, Electrolytic	2	Ⓢ
C154,254	ECEA50ZR22	0.22μF, 50WV, Electrolytic	2	Ⓢ
C155,255	ECQS05361JZ	360PF, 50WV, ±5%, Styrol	2	
C156,256	ECFVD102KV	0.001μF, 25WV, ±10%, Semi-Conductor	2	
C157,257	ECEA50Z1	1μF, 50WV, Electrolytic	2	Ⓢ
C158,258	ECCD1H820K	82PF, 50WV, ±10%, Ceramic	2	
C159,259	ECKD1H391KB	390PF, 50WV, ±10%, Ceramic	2	
C160,260	ECEA1ES470	47μF, 25WV, Electrolytic	2	Ⓢ
C161,261	ECFVD102KV	0.001μF, 25WV, ±10%, Semi-Conductor	2	
C162	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C163,263	ECKD1H471KB	470PF, 50WV, ±10%, Ceramic	2	
C164,264	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	2	
C165,265	ECEA1AS101	100μF, 10WV, Electrolytic	2	Ⓢ
C166,266	ECQG05224MZ	0.22μF, 50WV, ±20%, Polystylene	2	
C167,267	ECEA1CS102	1000μF, 16WV, Electrolytic	2	Ⓢ
C168,268	ECEA25N2R2	2.2μF, 25WV, Electrolytic	2	Ⓢ
C169,269	ECEA1ES101	100μF, 25WV, Electrolytic	2	Ⓢ
C174,274	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	2	
C175,275	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	2	
C176,276	ECKD1H471KB	470PF, 50WV, ±10%, Ceramic	2	
C177,277	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C178,278	ECKD1H102ZF	0.001μF, 50WV, +80 −20%, Ceramic	2	
C179,180,279,280	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	4	Ⓢ
C181,281	ECKD1H102ZF	0.001μF, 50WV, +80 −20%, Ceramic	2	
C182,282	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C184,284	ECFVD563MD	0.056μF, 25WV, ±20%, Semi-Conductor	2	
C186,286	ECCD1H220KC	22PF, 50WV, ±10%, Ceramic	2	
C187,287	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	2	
C301,302	ECKD1H821KB	820PF, 50WV, ±10%, Ceramic	2	
C303	ECQG05682KZ	0.0068μF, 50WV, ±10%, Polystylene	1	
C304	ECQG05273KZ	0.027μF, 50WV, ±10%, Polystylene	1	
C305	ECFVD153MD	0.015μF, 25WV, ±20%, Semi-Conductor	1	
C306	ECFVD103KV	0.01μF, 25WV, ±10%, Semi-Conductor	1	
C307	ECEA1AS101	100μF, 10WV, Electrolytic	1	Ⓢ
C308	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	1	Ⓢ
C309	ECQG05683MZ	0.068μF, 50WV, ±20%, Polystylene	1	
C333	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C334	ECEA1AS101	100μF, 10WV, Electrolytic	1	Ⓢ
C351,451	ECCD1H151K	150PF, 50WV, ±10%, Ceramic	2	
C352,452	ECEA1HS100	10μF, 50WV, Electrolytic	2	Ⓢ
C353,453	ECKD1H102ZF	0.001μF, 50WV, +80 −20 %, Ceramic	2	
C354,454	ECEA50Z3R3	3.3μF, 50WV, Electrolytic	2	Ⓢ
C455	ECEA1CS221	220μF, 16WV, Electrolytic	1	Ⓢ
C501	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C502	ECEA1CS471	470μF, 16WV, Electrolytic	1	Ⓢ
C503	ECEA1CS102	1000μF, 16WV, Electrolytic	1	Ⓢ
C504	ECEA1CS471	470μF, 16WV, Electrolytic	1	Ⓢ
C505	ECEA1ES470	47μF, 25WV, Electrolytic	1	Ⓢ
C506	ECEA1CS221	220μF, 16WV, Electrolytic	1	Ⓢ
C507	ECEA1CS472	4700μF, 16WV, Electrolytic	1	Ⓢ
C508	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C509	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C510	ECEA1CS102	1000μF, 16WV, Electrolytic	1	Ⓢ
C511	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C512	ECEA1HS100	10μF, 50WV, Electrolytic	1	Ⓢ
C513	ECEA1AS101	100μF, 10WV, Electrolytic	1	Ⓢ
C515,516,517, 518	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	4	
C520,521	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	2	
		ELECTRICAL PARTS		
E1	QWY4113Z	Record/Playback Head	1	
E2	QWY2112Z	Erase Head	1	
E3	WM034Z114	Built-in Microphone	2	
E4	XBA2C20TR0	Fuse, 2A, 250V	1	⚠
E5	QTF1054	Fuse Holder	2	⚠
E6	RZAX5500N	Dial Shassis Assembly	1	○
E6-1	RDR20-3	Dial Roller	3	
E6-2	RDY43Z	Roller Shaft	3	
E6-3	RDT9107Z	Tuning Shaft	1	
E6-4	XNS9	Nut, Tuning Shaft	1	Ⓢ
E7	RDD950Z	Dial Drum	1	○
E8	RDS4170A	Dial Spring	1	
E9	RDZ05A	Dial Cord (180cm)	1 roll	
E10	RYEX5500LSXG	Jack Board Assembly	1	○
E11	QTW1135	AC Socket Cover	1	⚠
E12	RUL577Z	Headphone Angle	1	○
E13	ESA30101B	Connection Wire	1	○
E14	RDP779Z	Dial Pointer	1	○
E15	RKD512Y	Dial Scale	1	○
E16	QJC0011	Eearth Terminal	1	
E17	RUV211Y	Switch Cover	6	○
E18	RGK867Z	LED Name Plate	1	○
E19	RHG211	LED Rubber, Stereo Eye	1	
E20	RMP118Z	LED Holding Plate, Doldy	1	○
E21	RBS136Z	Lever Knob	6	
E22	RMC228A	Shield Case	1	
E23	XNS8	Nut 8φ	6	Ⓢ
E24	XNS9	Nut 9φ	2	Ⓢ
E25	RMC171Y	Shield Case, IC	1	
E26	QJS0776	Socket, 2P Connector	1	
E27	XAN5G25	Neon Lamp	1	
E28	QJS1921TN	Socket, 3P Connector	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E29	RJS253Y-X	Socket, 3P Connector	1	
E30	RJS216Y-X	Socket, 4P Connector	2	
E31	RJS112Y-X	Socket, 6P Connector	3	
E32	QJS1922TN	Socket, 6P Connector	1	
E33	RJS219Y-X	Socket, 7P Connector	2	
E34	QJT1040	Contact	5	
E35	QJP1921TN	Plug, 3P Connector	1	
E36	RJP137Z	Plug, 3P Connector	1	
E37	RJP107Z	Plug, 4P Connector	2	
E38	QJP1922TN	Plug, 6P Connector	1	
E39	RJP142Z	Plug, 6P Connector	2	
E40	RJP144Z	Plug, 6P Connector	1	
E41	RJP119Z	Plug, 7P Connector	2	
E42	RJT462Z-X	Contact	43	
E43	XSN4+8S	Screw, Power Transformer & etc. M'tg	2	Ⓢ
E44	XWA4B	Washer, Power Transformer & etc. M'tg	2	Ⓢ
E45	XWG4	Washer, Power Transformer & etc. M'tg	2	Ⓢ
E46	XTC3+10BFN	Screw, AC Socket M'tg	4	Ⓢ
E47	XSN3+6S	Screw, Heat Sink & etc. M'tg	11	Ⓢ
E48	XWA3B	Washer, Heat Sink & etc. M'tg	2	Ⓢ
E49	XWG3	Washer, Heat Sink & etc. M'tg	9	Ⓢ
E50	XTV3+10G	Screw, Tone Circuit Board & etc. M'tg	16	
E51	XSN26+8	Screw, Dial Drum M'tg	1	
E52	XWC26B	Washer, Dial Drum	1	
E53	XTW3+10F	Screw, Headphone Angle & etc. M'tg	9	
E54	XTS3+10B	Screw, Circuit Board & etc. M'tg	2	Ⓢ
E55	XTV3+10GR	Screw, Mechanism & etc. M'tg	16	
E56	XTV3+12GR	Screw, Circuit Board & etc. M'tg	5	
E57	QBG1526	Microphone Cover	2	
E58	QMF1959	Microphone Holding Angle	2	
E59	ESA3321B	Remote Switch, Band Selector	1	○
E60	RUV387Z	AC Voltage Selector Cover	1	⚠
E61	RUL600Z	Circuit Board Holding Angle	1	○
		CABINET		
K1	RYFX5500LSXG	Front Panel Assembly	1	○
K1-1	QMF1943	Front Panel Holding Plate	3	
K1-2	RGX929X	Protection Pole	1	○
K1-3	XNG3ES	Nut, Protection Pole M'tg	2	Ⓢ
K1-4	XWA3B	Spring Washer 3φ	2	Ⓢ
K1-5	XWG3	Flat Washer 3φ	2	Ⓢ
K2	RYMX5500LSXG	Main Case Assembly	1	○
K2-1	RYHX5500N	Handle Assembly	1	○
K2-2	QKJ0130	Handle Spacer	2	
K2-3	QBP1684	Handle Retainer Spring	2	
K2-4	RKT120Z	Handle Retainer	2	
K2-5	RJT651Z	Antenna Terminal	1	○
K2-6	RJC505Z	Battery Spring, ⊖ Side	1	
K2-7	RJC111A	Battery Terminal, ⊕ Side	1	
K2-8	RJC509Z	Battery Spring, ⊖ Side	1	
K2-9	RJC205B	Battery Terminal, ⊕ Side	1	
K2-10	RJT398A	Connecting Pipe, Battery Terminal	1	

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
K2-11	XTV3+10G	Screw, Antenna Terminal M'tg	1		
K2-12	XSC3+10FNS	Screw, Handle Assembly M'tg	2		
K2-13	QKH1131	Handle Arm	2		
K2-14	RJF1065Z	EXT. Antenna Terminal	3		
K3	RYNX5500N	Battery Cover Assembly	1		○
K4	XEAQDS143HAY	Telescopic Antenna	1		○
K5	RBN487Z	Tuning Knob	1		○
K6	RBS135Z	Band Selector Knob	1		○
K7	RBN488Z	Volume, REC Level & etc. Knob	3		○
K8	RBN489Z	Tone, Balance Knob	3		○
K9	XTN35+50G	Screw, Main Case M'tg	4		
K10	XTC3+10FFN	Screw, Main Case M'tg	3		
K11	XYN3+F16FNS	Screw' Telescopic Antenna M'tg	1		
		ACCESSORIES			
A1	RJA20Z	AC Cord	1		⚠
A2	RJN23Z	Cassette Tape	1		
A3	RQX6427Z	Instruction Book	1		○
A4	RQE13Z	Voltage Caution Tag	1		
		PACKING MATERIALS			
P1	RPK765Z	Inside Carton	1		○
P2	RPN9302Z	Pad, Complete	1		○
	Not Available,	Pad, Upper Left Side	(1)		
	Oder	Pad, Upper Right Side	(1)		
	RPN9302Z	Pad, Lower Side	(1)		
P4	RPN2785Z	Cushion, Front Side	1		○
P5	XZB10X20A04	Poly Bag, AC Cord	1		
P6	XZB60X60A01	Poly Bag, Unit	1		

RX-5500LS

RD Ⓗ XG
Printed in Japan.

RX-5500LS FRANCAIS

■ SPECIFICATIONS

Généralités: c.a. 100 à 110/115 à 127/200 à 220/230 à 250 V, 50/60 Hz
Consommation; 33 W
Piles; 12 V (huit piles sèches UM-1, dimension R20)
batterie pour auto/bateau; avec adaptateur (RP-952) auto/bateau en option

Puissance de sortie: 15 W (7,5 W x 2)...RMS (max.)

Gamme de fréquence: 40 à 12.000 Hz (avec bande normale)
40 à 13.000 Hz (avec bande CrO_2)
40 à 13.000 Hz (avec bande FeCr)

Système d'enregistrement: polarisation, effacement c.a.

Vitesse de bande: 4,8 cm/sec.

Pleurage et scintillement: 0,09% (WRMS)

Durée de lecture: 1 heure avec cassette C-60

Pistes: enregistrement et lecture stéréo 4 pistes, 2 canaux

Entrée: MIC; sensibilité 0,26 mV; impédance applicable pour microphone 200 à 1 k (microphone recommandé RP-8135)
PHONE; sensibilité 1,5 mV/25 kΩ ou plus
DC IN; 13,2 V

Sortie: EXT SP; 3 à 8Ω
HEADPHONE; 8Ω

Branchement REC/PB: fiche DIN à 5 broches
IN; sensibilité 30 mV
OUT: sortie 0,41 V

Autres: REMOTE; marche et arrêt à distance

Haut-parleur: Haut-parleur des graves; 16 cm haut-parleur dynamique à aimant permanent (3Ω)
Haut-parleur des aigus; 3 cm haut-parleur dynamique à aimant permanent (8Ω)

Fréquence radio: FM; 87,5 à 108 MHz
GO; 145 à 285 kHz (2060 à 1060 m)
PO; 520 à 1610 kHz (577 à 186 m)
OC; 5,9 à 18 MHz (50,8 à 16,7 m)

Fréquence intermédiaire; FM; 10,7 MHz
AM; 455 kHz

Sensibilité: FM; 2μV pour une sortie de 50 mW
GO; 200μV/m pour une sortie de 50 mW
PO; 100μV/m pour une sortie de 50 mW
OC; 6μV pour une sortie de 50 mW

Dimensions (l x h x Pr) cm: 47,8 x 29,3 x 16,3
(18-13/16" x 11-9/16" x 6-7/16")

Poids kg: 6,75 sans piles

Les spécifications sont sujettes à des changements sans préavis.

ALIGNEMENTS

■ REGLAGE

AVANT DE PROCEDER AUX ALIGNEMENTS LIRE ATTENTIVEMENT CE QUI SUIT

1. Le potentiomètre de volume au maximum.
2. La commande de balance au centre.
3. Les commandes des graves et aigus au centre.
4. Le sélecteur de bande sur MW (PO), LW (GO), SW (OC), ou FM.
5. Le sélecteur bande/radio/sommeil sur "radio".
6. Régler la tension sur 12 V c.c.
7. Régler la sortie du générateur étalonné de façon à ne pas surcharger les circuits.

ALIGNEMENT GO, PO et OC

	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CABARAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE ELECTRO-NIQUES)	REGLAGE	OBSERVATIONS
		BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT FI sur AM						
(1)	PO	Via une bobine de fil couplée à l'antenne.	455 kHz (modulation de 30% à 400 Hz)	Point de non-interférence	Voltmètre branché à la bobine oscillatrice	T3 (AM 1er IFT) T4 (AM 2e IFT)	Régler pour une sortie maximum.
	ALIGNEMENT HF sur GO						
(2)	GO	〃	145 kHz	145 kHz [15,8 mm (5/8")]	Voltmètre branché à la bobine oscillatrice	L7 (bobine d'oscillateur GO) (*1) L2 (bobine d'antenne GO)	Régler pour une sortie maximum en glissant la bobine L2 le long du noyau en ferrite.
(3)	GO	〃	285 kHz	285 kHz [132.0 mm (5-3/16")]	〃	CT6 (trimmer d'oscillateur GO) CT3 (trimmer d'antenne GO)	Régler pour une sortie maximum. Refaire les étapes (2) et (3).

(*1) Sceller la bobine d'antenne à la cire après avoir achevé l'alignement.

	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE ELECTRO-NIQUES)	REGLAGE	OBSERVATIONS
		BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT HF sur PO						
(4)	PO	〃	550 kHz	550 kHz [15,8 mm (5/8")]	Voltmètre branché à la bobine oscillatrice	L8 (bobine d'oscillateur PO) (*2) L2 (bobine d'antenne PO)	Régler pour une sortie maximum en glissant la bobine L2 le long du noyau en ferrite.
(5)	PO	〃	1500 kHz	1500 kHz [132,0 mm (5-3/16")]	〃	CT7 (trimmer d'oscillateur PO) CT4 (trimmer d'antenne PO)	Régler pour une sortie maximum. Refaire les étapes (4) et (5).

(*2) Sceller la bobine d'antenne à la cire après avoir achevé l'alignement.

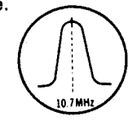
	ALIGNEMENT HF sur OC						
(6)	OC	〃	5,9 MHz	5,9 MHz [5,5 mm (7/32")]	Voltmètre branché à la bobine oscillatrice	L9 (bobine d'oscillateur OC) L3 (bobine d'antenne OC)	Régler pour une sortie maximum.
(7)	OC	〃	18 MHz	18 MHz [139,3 mm (5-1/2")]	〃	CT8 (trimmer d'oscillateur OC) CT5 (trimmer d'antenne OC)	Régler pour une sortie maximum. Refaire les étapes (6) et (7).

■ ALIGNEMENT DETECTEUR & FI sur FM

APPAREILS NESSAIRES
Générateur étalonné au repère 10,7 MHz.
Générateur de balayage qui fournit 10,7 MHz avec largeur de balayage de 400 kHz.

OSCILLOSCOPE
Amener le sélecteur de balayage de l'oscilloscope sur "EXTERNAL SWEEP".
Appliquer un signal de balayage de 60 MHz du générateur de balayage aux bornes d'entrée horizontale de l'oscilloscope.

1. Le sélecteur de bande sur FM.
2. Le potentiomètre de volume au maximum.
3. La commande des graves au centre.
4. La commande des aigus au centre.
5. Maintenir la tension à 12 V c.c.
6. La commande de balance au centre.

	COUPLAGE DU GENERATEUR DE BALAYAGE	COUPLAGE DU GENERATEUR ETALONNE	INDICATEUR	INDICATEUR	REGLAGE	OBSERVATIONS
(1)	Via un condensateur de 0,001 F à IC1 ① Commun au ▼2.	Via un condensateur de 0,001 F à IC1 ① Commun au ▼2.	Point de non-interférence (à/environ 90 MHz)	Sonde verticale de l'oscill-oscope à JP29. Commun au ▼2.	T1 (FM 1ére FI)	Régler pour une amplitude maximum et une linéarité adéquate. 
(2)	Id.	Id.	Id.	Id.	T2 (FM 2e FI) (secondaire)	Régler pour obtenir une linéarité adéquate.

■ ALIGNEMEN

	COUPLAG GENERA ETALOI
(3)	Brancher à la b d'antenne EXT une antenne fi Commun au ch
(4)	〃
(5)	〃

■ ALIGNEMEN

*** APPAREILS**
1) Modulateu
2) Générateu
3) Oscilloscc
4) Antenne fi
5) Voltmètre
6) Filtre pass

*** MESURES A**
Sélecteur de commande d pas surcharg

PROCEDURI

ELEMEN
Réglage du s pilote

■ ALIGNEMEI

ELEMENT
Fréquence d'oscillation d polarisation
Courant d'effacement
Courant de polarisation
Niveau de lecture
Réponse en fréquence de lecture (NORMAL)

■ ALIGNEMENT HF sur FM

	COUPLAGE DU GENERATEUR ETALONNE	FREQUENCE DU GENERATEUR ETALONNE	POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR	REGLAGE	OBSERVATIONS
(3)	Brancher à la borne d'antenne EXT FM via une antenne fictive FM. Commun au châssis.	87,5 MHz (modulé à 400 Hz)	87,5 MHz	Voltmètre branché à la prise EXT SP (L) (haut-parleur gauche).	L5 (bobine d'oscillateur FM)	Régler pour une sortie maximum.
(4)	〃	90 MHz (modulé à 400 Hz)	90 MHz	〃	L4 (bobine de détecteur FM)	〃
(5)	〃	106 MHz (modulé à 400 Hz)	106 MHz	〃	CT2 (trimmer d'oscillateur FM) CT1 (trimmer de détecteur FM)	Régler pour une sortie maximum. Refaire les étapes (3), (4), et (5).

■ ALIGNEMENT DE LA SEPARATION & LA BOBINE MULTIPLEX

*** APPAREILS NECESSAIRES**

1) Modulateur stéréo .....Brancher la sortie du modulateur stéréo à la borne EXT Mod. du générateur étalonné.
2) Générateur étalonné.....Taux de modulation par le signal pilote de 19 kHz.....8 à 10%
   Taux de modulation par le signal gauche 30%
   Niveau de sortie .....60 dB
   Fréquence .....environ 98 MHz
3) Oscilloscope
4) Antenne fictive
5) Voltmètre électronique
6) Filtre passe-bas (15 kHz)

*** MESURES A PRENDRE**

Sélecteur de bande sur FM, aiguille du cardran aux environ de 98 MHz, commande des graves au centre, commande des aigus au centre, commande de balance au centre, potentiomètre de volume à régler de façon à ne pas surcharger les circuits.

PROCEDURE POUR L'ALIGNEMENT

ELEMENT	BRANCHEMENT DE LA SOURCE DU SIGNAL	BRANCHEMENT DE L'APPAREIL	REGLAGE	SPECIFICATION	OBSERVATIONS
Réglage du signal pilote	98 MHz, 60 dB	③ côté (+) ② côté (–)	VR1	19 kHz	Modulation stéréo (gauche + droit) à zéro.

■ ALIGNEMENTS AUDIO

ELEMENT	ENTREE	POINT DE MESURE	SPECIFICATION	POINT DE RELAGE	OBSERVATIONS
Fréquence d'oscillation de polarisation	—	301 E	68 kHz ± 0,5 kHz (S4-1→②)	L301	Mode d'enregistrement
Courant d'effacement	—	301 E	65^{+3}_{-5} mV (utiliser la bande CrO_2)	VR301	Mode d'enregistrement
Courant de polarisation	—	101 (canal gauche) 201 (canal droit) E (terre)	$4^{+0,2}_{-0,1}$ mV (utiliser la bande CrO_2)	VR302 (canal gauche) VR303 (canal droit)	Mode d'enregistrement
Niveau de lecture	QZZCFM (315 Hz, 0 dB)	Prise DIN	0,42 V ± 0,02 V	VR106 (canal gauche) VR206 (canal droit)	Mode de lecture
Réponse en fréquence de lecture (NORMAL)	QZZCDM (315 Hz, 4 kHz, – 20 dB)	〃	315 Hz→0 dB 4 kHz → 1 ± 0,5 dB	VR105 (canal gauch) VR205 (canal droit)	Mode de lecture Sélecteur de bande...NORMAL
Réponse en fréquence de lecrure (CrO_2)	101 E f = 10 kHz, – 30 dB	〃	CrO_2→ – 4 ± 0,5 dB	VR108 (canal gauche) VR208 (canal droit)	Mode de lecture Sélecteur de bande...CrO_2 0 dB = niveau de sortie lorsque le sélecteur de bande est réglé sur NORMAL.
Gain total	Micro externe f = 1 kHz, – 40 dB	Enregistrement CP12 (5) (canal gauche) CP12 (4) (canal droit) Lecture... Prise DIN	Enregistrement ...0,54 mV Lecture... – 100 ± 5 mV	VR107 (canal gauche) VR207 (canal droit)	1. Mettre l'appareil en mode d'enregistrement, et le sélecteur de bande sur NORMAL. 2. Amener à la borne micro externe (EXT. MIC.) un signal de 1 kHz (– 40 dB) de l'oscillateur b.f. 3. Régler le niveau d'enregistrement jusqu'à ce que le niveau du contrôleur à CP12 ⑤ et CP12 ④ atteigne 0,54 mV. 4. Ecouter une bande enregistrée, et vérifier que la valeur à DIN sur le voltmètre électronique atteigne 100 mV ± 5 mV.

■ REGLAGES DES INDICATEURS A DIODES LUMINEUSES

A. Vérifications des piles
1. Appliquer une tension continue de 9,2 V à la prise DC INPUT.
2. Mettre l'appareil en mode de lecture.
3. Régler VR452 de sorte que la 4e diode lumineuse (LED) à partir de la gauche s'allume.

B. Vérification du niveau
1. Appliquer une tension continue de 13,5 V à la prise DC INPUT.
2. Ecouter la cassette d'essai (QZZCFM) pour la vérification du niveau standard.
3. Régler VR351 (canal gauche), VR451 (canal droit) de sorte que la 5e diode lumineuse (LED) à partir de la gauche s'allume.

SYMBOLES UTILISES DANS LE SCHEMA

1. S1-1 à S1-12 ...Commutateur enregistrement/lecture (montré en position lecture).
2. S2-1 à S2-8.....Commutateur de fonction (1...Bande, 2...Radio, 3...PHONO/DIN IN).
3. S3-1 à S3-2.....Commutateur de l'indicateur à LED (montré en position arrêt "OFF") (1...Arrêt, 2...Piles et syntonisation, 3...Niveau).
4. S4-1 à S4-4.....Commutateur de mode/anti-interférences (Montré en position Stéréo/I) (1...Mono/III, 2...Stéréo/II, 3...Stéréo/I).
5. S5-1 à S5-8.....Sélecteur de bande (montré en position Normal) (1...Normal, 2...FeCr, 3...CrO_2).
6. S6-1 à S6-6.....Commande d'enregistrement (montrée en position manuelle) (1...Manuel, 2...Easy-matic).
7. S7-1 à S7-10 ...Sélecteur de gamme d'onde (montré en position FM) (1...FM, 2...GO, 3...PO, 4...OC).
8. S8-1 à S8-3.....Commutateur Dolby [montré en position hors (OUT)].
9. S9 .....Commutateur marche/arrêt du moteur (montré en position arrêt "OFF").
10. S10 .....Sélecteur c.a./c.c. (montré en position c.c.).
11. S11 .....Commutateur d'assourdissement (1...Arrêt, 2...Lecture).
12. S12-1 à S12-4...Sélecteur d'entrée (montré en position DIN IN) (1...DIN IN, 2...PHONO IN).
13. S13 .....Sélecteur de tension c.a.
14. VR1 .....Commande de réglage du signal pilote.
15. VR101, 201.....Commande d'enregistrement.
16. VR102, 103 202, 203.....Commandes des graves et aigus.
17. VR104, 204.....Potentiomètre de volume.
18. VR105, 205.....Commande de réglage de la réponse en fréquence (NORMAL) de lecture.
19. VR106, 206.....Commande de réglage de gain de lecture.
20. VR107, 207.....Commande de réglage de gain total.
21. VR108, 208.....Commande de réglage de la réponse en fréquence (CrO_2) de lecture.
22. VR301 .....Commande de réglage du courant d'effacement.
23. VR302, 303.....Commande de réglage du courant de polarisation.
24. VR351, 451.....Commande de réglage du niveau de l'indicateur.
25. VR401 .....Commande de balance.
26. VR452 .....Commande de réglage de vérification des piles.
27. La marque (▼) signale un point de vérification. Ex.: ▽ = point de vérification 1.
28. La marque (●) signale une résistance imprimée.
29. Toutes les mesures de tension données dans le circuit sont réalisées sans signal avec le volume au minimum. Utiliser un voltmètre pour les mesures. Les mesures supérieures doivent être réalisées. Pendant la lecture, et les mesures inférieures pendant l'enregistrement. Les valeurs supérieures doivent être mesurées pendant la FM, et les valeurs inférieures pendant l'AM. (circuit radio). Les tensions de Q301 sont réalisées pendant l'enregistrement (circuit audio). Les tensions de IC351, 451 et Q351, 352, 353, 451, 452, 453 et 503 sont réalisées pendant la lecture [S3 sur position 2 (poiles)] (circuit de l'indicateur).
30. Les éléments précédés de la marque ⚠ ne doivent être remplacés que par des pièces d'origine (par mesure de sécurité).

RX-5500LS DEUTSCH

TECHNICAL DATEN

Stromversorgung: Wechselstrom; 100~110/115~127/200~220/230~250 V, 50/60 Hz
Leistungsaufnahme; 33 W
Batterien; 12 V (acht Trockenbatterien UM-1, Größe R20)
Auto- oder Bootsbatterie; über einen Auto/Bootsadapter (RP-952; als Sonderzubehör erhältlich) anschließbar
Ausgangsleistung: max. 15,0 W (2×7,5 W) eff. [RMS]
Frequenzbereich: 40~12.000 Hz (Normal Band)
40~13.000 Hz (CrO_2-Band)
40~13.000 Hz (FeCr-Band)
Aufnahmesystem: Wechselstrom-Vormagnetisierung, Wechselstromlöschung
Bandgeschwindigkeit: 4,8 cm/s
Geschwindigkeitsschwankungen: 0,09% bewertet (WRMS)
Spieldauer: 1 Stunde mit Cassette C-60
Spurlage: Stereoaufnahme und -wiedergabe auf 4 Spuren/2 Kanälen
Eingangsspannungen: MIC; Empfindlichkeit 0,26 mV, Mikrofonimpedanz 200Ω ~1kΩ (empfohlenes Mikrofon; RP-8135)
PHONO; Empfindlichkeit mind. 1,5 mV/25 kΩ
DC IN; 13,2 V
Ausgangs impedanzen: EXT SP; 3~8Ω
HEADPHONE; 8Ω

REC/PB-Anschlußbuchse: 5 polige DIN-Buchse
IN; Empfindlichkeit 30 mV
OUT; Ausgangspegel 0,41 V
Andere Buchsen: REMOTE; zum Ein- und Ausschalten des Bandlaufs aus der Entfernung
Lautsprecher: Tieftonlautsprecher; dynamischer PM-Lautsprecher, ø16 cm (3Ω)
Hochtonlautsprecher; dynamischer PM-Lautsprecher, ø3 cm (8Ω)
Wellenbereiche: UKW; 87,5~108 MHz
LW; 145~285 kHz (2060~1060 m)
MW; 520~1610 kHz (577~186 m)
KW; 5,9~18 MHz (50,8~16,7 m)
Zwischenfrequenz: FM; 10,7 MHz
AM; 455 kHz
Empfindlichkeit: UKW; 2μV bei 50 mW Ausgangsleistung
LW; 200μV/m bei 50 mW Ausgangsleistung
MW; 100μV/m bei 50 mW Ausgangsleistung
KW; 6μV bei 50 mW Ausgangsleistung
Abmessungen (B×H×T): 478×293×163 mm (18-13/16″×11-9/16″×6-7/16″)
Gewicht (ohne Batterien): 6,75 kg (14 lb. 13 oz.)

Änderungen vorbehalten.

ABGLEICH

■ VORGANGSWEISE BEIM ABGLEICH

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFALTIG DURCHLESEN

1. Den Lautstärkeregler in die Maximalposition stellen.
2. Den Balanceregler in die Mittelposition stellen.
3. Den Baßregler und den Höhenregler in die Mittelposition stellen.
4. Den Wellenbereichsschalter auf MW, LW, SW oder FM stellen.
5. Den "Tape/Radio/Sleep"-Wahlschalter auf "radio" stellen.
6. Eine Stromquelle von 12 V Gleichstrom anlegen.
7. Der Signalgeneratorausgang sollte nicht größer sein, als für eine Ausgangsanzeige unbedingt notwendig ist.

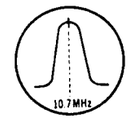
■ LW-, MW- UND KW-ABGLEICH

	WELLENBAND	SIGNALGENERATOR oder WOBBELGENERATOR ANSCHLÜSSE	SIGNALGENERATOR oder WOBBELGENERATOR FREQUENZ	STELLUNG DES ABSTIMMREGLERS	MESSGERÄT (ELEKTRONIK-VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
		AM-ZF-ABGLEICH					
(1)	MW	Aus einem Draht einige Schleifenindungen bilden und das Signal in die Empfängerschleife abstrahlen.	455 kHz, 30% mode. (Modulationsfrequenz 400 Hz)	Der Abstimmpunkt, wo keine Interferenz auftritt.	Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule	T3 (1. AM-ZF-Abgleich) T4 (2. AM-ZF-Abgleich)	Die maximale Ausgangsleistung einstellen.
		LW-HF-ABGLEICH					
(2)	LW	〃	145 kHz	145 kHz [15,8 mm (5/8″)]	Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule	L7 (LW-Oszillatorspule) (*1) L2 (LW-Antennenspule)	Die maximale Ausgangsleistung einstellen. L2 durch Verschieben am Ferritkern abgleichen.
(3)	LW	〃	285 kHz	285 kHz [132,0 mm (5-3/16″)]	285 kHz	CT6 (LW-Oszillatortrimmer) CT3 (LW-Antennentrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (2) und (3) wiederholen.
		(*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.					
(4)	MW	Aus einem Draht einige Schleifenindungen bilden und das Signal in die Empfängerschleife abstrahlen.	550 kHz	550 kHz [15,8 mm (5/8″)]	Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule	L8 (MW-Oszillatorspule) (*2) L2 (MW-Antennenspule)	Die maximale Ausgangsleistung einstellen. L2 durch Verschieben am Ferritkern abgleichen.
(5)	MW	〃	1500 kHz	1500 kHz [132,0 mm (5-3/16″)]	〃	CT7 (MW-Oszillatortrimmer) CT4 (MW-Antennentrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (4) und (5) wiederholen.
		(*2) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.					
		KW-HF-ABGLEICH					
(6)	KW	〃	5,9 MHz	5,9 MHz [5,5 mm (7/32″)]	Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule	L9 (KW-Oszillatorspule) L3 (KW-Antennenspule)	Die maximale Ausgangsleistung einstellen.
(7)	KW	〃	18 MHz	18 MHz [139,3 mm (5-1/2″)]	〃	CT8 (KW-Oszillatortrimmer) CT5 (KW-Antennentrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (6) und (7) wiederholen.

■ FM: ZF- UND DEMODULATORABGLEICH

ERFORDERLICHE GERÄTE
Signalgenerator mit einer Eichmarke bei 10,7 MHz Wobbelgenerator für ein 10,7-MHz-Signal mit 400 kHz Wobbelhub.

OSZILLOSKOP
Den Ablenkschalter des Oszilloskops auf "EXTERNAL SWEEP" stellen.
Ein 60-Hz-Signal des Wobbelgenerators zu den Horizontal-Eingangsklemmen des Oszilloskops leiten.
1. Den Wellenbereichsschalter auf FM stellen.
2. Den Lautstärkeregler in die Maximalposition stellen.
3. Den Baßregler in die Mittelposition stellen.
4. Den Höhenregler in die Mittelposition stellen.
5. Eine Stromquelle von 12 V Gleichstrom anlegen.
6. Den Balanceregler in die Mittelposition stellen.

	ANSCHLUSS DES WOBBELGENERATORS	ANSCHLUSS DES SIGNALGENERATORS	STELLUNG DES ABSTIMMREGLERS	MESSGERÄT	ABGLEICH	BEMERKUNGEN
(1)	Den heißen Ausgang über einen 0,001μF-Kondensator an den Stift ① des IC1 anschließen. Schaltungsnull an den Punkt ❷ anschließen.	Den heißen Ausgang über einen 0,001μF-Kondensator an den Stift ① des IC1 anschließen. Schaltungsnull an den Punkt ❷ anschließen.	Der Abstimmpunkt, wo keine Interferenz auftritt (ungefähr bei 90 MHz).	Die Vertikalamplitude des Oszilloskops an den Meßpunkt JP29 anschließen. Schaltungsnull on den Punkt ❷ anschließen.	T1 (1. FM-ZF)	Maximalamplitude und gute Linearität einstellen. 
(2)	wie oben	wie oben	wie oben	wie oben	T2 (2. FM-ZF) (Sekundärwicklung)	Eine gute Linearität einstellen.

■ FM-HF-ABGLEICH

	ANSCHLUSS DES SIGNALGENERATORS	FREQUENZ DES SIGNAL GENERATORS	STELLUNG DES ABSTIMMREGLERS	MESSGERÄT	ABGLEICH	BEMERKUNGEN
(3)	Über eine künstliche UKW-Antenne an die UKW-Außenantennenbuchs ("EXT FM") anschließen.	87,5 MHz (Modulationsfrequenz 400 Hz)	87,5 MHz	Ausgangsleistungsmesser parallel zur Außenlautsprecherbuchse ("EXT SP") (L).	L5 (FM-Oszillatorspule)	Die maximale Ausgangsleistung einstellen.

(4)	〃	90 MHz (Modulations-frequenz 400 Hz)	90 MHz	〃	L4 (FM-Detektorspule)	〃
(5)	〃	106 MHz (Modulations-frequenz 400 Hz)	106 MHz	〃	CT2 (FM-Oszillatortrimmer) CT1 (FM-Detektortrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (3) bis (5) wiederholen.

■ ABGLEICH DER MULTIPLEXSPULE UND DER KANALTRENNUNG

*** ERFORDERLICHE GERÄTE**

1) Stereomodulator.....Den Ausgang des Stereomodulators an die Außenmodulationsbuchse ("EXT MOD") des Signalgenerators anschließen.
2) Signalgenerator .....Modulation des 19-kHz-Pilotsignals.....8～10%
Modulation des linken Kanals 30%
Ausgangspegel .....60 dB
Frequenz .....ca. 98 MHz
3) Oszilloskop
4) Künstliche (Dummy-) Antenne
5) Elektronikvoltmeter
6) Tiefpaßfilter (15 kHz)

* MESSBEDINGUNGEN

Der Wellenbereichsschalter steht auf FM, der Abstimmregler auf ca. 98 MHz; der Baßregler, der Höhenregler und der Balanceregler in der Mittelposition. Der Lautstärkeregler sollte nicht größer eingestellt sein, als für eine Ausgangsanzeige unbedingt notwendig ist.

ABGLEICHVORGANG

EINSTELLUNG	ANGESCHLOSSENES SIGNAL	GERÄTE-ANSCHLUSS	ABGLEICH	MESSWERT	BEMERKUNGEN
Einstellung des Pilotsignals	98 MHz, 60 dB	③...Anschluß + ②...Anschluß –	Regelwiderstand VR1	19 kHz	Die Stereomodulation (L + R) auf Null stellen.

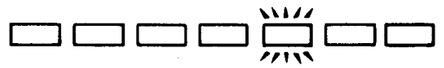
■ NF-ABGLEICH

EINSTELLUNG	EINGANG	MESSPUNKT	MESSWERT	EINSTEL-LPUNKT	BEMERKUNGEN
Oszillations frequenz für Vormagnetisierung	——	301 E	68 kHz ± 0,5 kHz (S4-1→②)	L301	bei Aufnahme
Löschstrom	——	301 E	65^{+3}_{-5} mV (für CrO_2-Band)	VR301	bei Aufnahme
Vormagnetisierungsstrom	——	101 (linker Kanal) 201 (rechter Kanal) E (Masse)	$4^{+0,2}_{-0,1}$ mV (für CrO_2-Band)	VR302 (linker Kanal) VR303 (rechter Kanal)	bei Aufnahme
Wiedergabepegel	QZZCFM (315 Hz, 0 dB)	DIN-Buchse	0,42 ± 0,02 V	VR106 (linker Kanal) VR206 (rechter Kanal)	Bei Wiedergabe
Frequenzgang bei Wiedergabe (NORMAL)	QZZCFM (315 Hz, 4 kHz, – 20 dB)	〃	315 Hz→0 dB 4 kHz→ 1 ± 0.5 dB	VR105 (linker Kanal) VR205 (rechter Kanal)	bei Wiedergabe Bandsortenwähler...NORMAL
Frequenzgang bei Wiedergabe (CrO_2)	101 E f = 10 kHz, – 30 dB	〃	CrO_2— – 4 ± 0,5 dB	VR108 (linker Kanal) VR208 (rechter Kanal)	bei Wiedergabe Bandsortenwähler...CrO_2 Ausgangspegel in der "Normal"-Stellung des Bandsortenwählers = 0 dB
Gesamtverstärkung	Außenmikrofon ("EXT. MIC") f = 1 kHz, – 40 dB	Aufnahme CP12 ⑤ (linker Kanal) CP12 ④ (rechter Kanal) Wiedergabe... DIN-Buchse	Aufnahme... 0,54 mV Wiedergabe... 100 ± 5 mV	VR107 (linker Kanal) VR207 (rechter Kanal)	1. Auf Aufnahme schalten und den Bandsortenwähler auf "normal" stellen. 2. Das 1-kHz-Signal eines NF-Generators (– 40 dB) an die Außenmikrofonbuchse ("EXT. MIC") anlegen. 3. Den Aufnahmepegel (REC LEVEL) so regeln, daß der Pegel (bei Vorderbandkontrolle) an den Meßpunkten CP12 ⑤ und ④ 0,54 mV beträgt. 4. Das bespielte Band wiedergeben. Kontrollieren, ob der Wert, der an der DIN-Buchse vom Elektronikvoltmeter angezeigt wird, 100 ± 5 mV beträgt.

■ EINSTELLUNG DER LED-ANZEIGEN

A. Prüfung der Batterieanzeige
1. Über die Gleichstrom-Eingangsbuchse ("DC IN") eine gleichspannung von 9,2 V zuleiten.
2. Auf Wiedergabe schalten.
3. VR452 so einstellen, daß die vierte Leuchtdiode von links aufleuchtet.

B. Prüfung der Ausgangsanzeige
1. Über die Gleichstrom-Eingangsbuchse ("DC IN") eine Gleichspannung von 13,5 V zuleiten.
2. Eine Testcassette zur Pegelüberprüfung (QZZCFM) abspielen.
3. VR351 (für den linken Kanal) und VR451 (für den rechten Kanal) so einstellen, daß die fünfte Leuchtdiode von links aufleuchtet.



BEZEICHNUNGEN IN DER SCHEMATISCHEN DARSTELLUNG

1. S1-1～S1-12 ...Aufnahme/Wiedergabeschalter (abgebildet in der Stellung „Wiedergabe").
2. S2-1～S2-8.....Funktionsschalter (1 = Cassette, 2 = Radio, 3 = PHONO/DIN-Eingang).
3. S3-1～S3-2.....LED-Anzeigenwähler (abgebildet in der Stellung „AUS") (1 = AUS, 2 = Abstimmung & Batterie, 3 = Ausgangsleistung).
4. S4-1～S4-4.....Betriebsart/Oszillator-Schalter (abgebildet in der Stellung „Stereo/I") (1 = Mono/III, 2 = Stereo/II, 3 = Stereo/I).
5. S5-1～S5-8.....Bandsortenwähler (abgebildet in der Stellung „normal") (1 = normal, 2 = FeCr, 3 = CrO_2).
6. S6-1～S6-6.....Aufnahmeschlater (abgebildet in der Stellung „manuell") (1 = manuell, 2 = Aussteuerungsautomatik „Easy-matic").
7. S7-1～S7-10 ...Wellenbereichsschalter (abgebildet in der Stellung „UKW") (1 = UKW, 2 = LW, 3 = MW, 4 = KW).
8. S8-1～S8-3.....Dolbyschalter (abgebildet in der Stellung „AUS").
9. S9-1～S9-2.....EIN/AUS-Schalter des Motors (abgebildet in der Stellung „AUS").
10. S10 .....Wahlschalter für Gleichstrom- oder Wechselstrombetrieb (abgebildet in der Stellung „Gleichstrom").
11. S11 .....Schalter zur Geräuschunterdrückung (1 = Stop, 2 = Wiedergabe).
12. S12-1～S12-4...Eingangswähler (abgebildet in der Stellung „DIN-Eingang") (1 = DIN-Eingang, 2 = PHONO-Eingang).
13. S13 .....Netzspannungswähler.
14. VR1 .....RW zur Einstellung des Pilotsignals.
15. VR101, 201.....Aussteuerungsregler.
16. VR102, 103 202, 203.....Baß- und Höhenregler.
17. VR104, 204.....Lautstärkeregler.
18. VR105, 205.....RW zur Einstellung des Frequenzgangs bei Wiedergabe („normal").
19. VR106, 206.....RW zur Einstellung der Wiedergabeverstärkung.
20. VR107, 207.....RW zur Einstellung der Gesamtverstärkung.
21. VR108, 208.....RW zur Einstellung des Frequenzgangs bei Wiedergabe („CrO_2").
22. VR301 .....RW zur Einstellung des Löschstroms.
23. VR302, 303.....RW zur Einstellung des Vormagnetisierungsstroms.
24. VR351, 451.....RW zur Einstellung des Anzeigepegels.
25. VR401 .....Balanceregler.
26. VR452.....RW zur Einstellung der Batterieanzeige.
27. Die Markierung (▼) bezeichnet einen Meßpunkt, z.B: ▼1 = Meßpunkt 1.
28. Die Markierung (●) bezeichnet einen gedruckten Widerstand.
29. Alle in der Schaltung angegebenen Spannungen sind ohne angelegtes Signal zu messen; der Lautstärkeregler steht in der Kleinststellung.
Für die Messung ist ein Elektronikvoltmeter zu verwenden.
Die oberen Werte sind während des FM-Empfange und die unteren während des AM-Empfangs zu messen [HF-Schaltkreis].
Die Spannungen des Q301 sind während der Aufnahme zu messen [NF-Schaltkreis].
Die Spannungen des IC351, IC451, Q351～353, Q451～453 und Q503 sind während der Wiedergabe zu messen [S3 (Anzeigenwähler) in der Stellung 2 („Batterie")] [Anzeigen-Schaltkreis].
30. Für die Bauelemente, die mit ⚠ bezeichnet sind, sollen aus Gründen der Betriebssicherheit nur die Originalbauteile des Herstellers verwendet werden.